

30 Risk assessment report for the System Definition 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 6b.

Every system 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 system 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 system 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 (Level 3)	Functional Output Exchange	Risk	Hazard	Constraint	Constraint Allocation
 SPMS-2106 - Control relative traction and braking effort manually	 SPMS-6694 - Acknowledged permission	No risk items found			
 SPMS-2107 - Control state of train doors	 SPMS-2213 - Requested state of doors	No risk items found			
	 SPMS-7976 - Provided station and platform information	No risk items found			
 SPMS-2108 - Sense+Observe point status	 SPMS-5329 - Observed point status	 SPRM-1289 - Early indication of Observed point status to TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	






























		 SPRM-1290 - Incorrect indication of Observed point status to TMS	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1292 - Late indication of Observed point status to TMS	•  SPRM-516 - No safety hazard	No constraint items found
	 SPMS-2312 - Observed point status	 SPRM-1287 - Early indication of Observed point status to Signaller	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1288 - Incorrect indication of Observed point status to Signaller	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1291 - Late indication of Observed point status to Signaller	•  SPRM-516 - No safety hazard	No constraint items found
 SPMS-2109 - Toggle train cab	No output exchanges found			
 SPMS-2110 - Control voice communication	 SPMS-5665 - Exchanged information	No risk items found		
	 SPMS-5664 - Exchanged information	No risk items found		
	 SPMS-6967 - Indicated functional number	 SPRM-2282 -	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-2284 -	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-2283 -	•  SPRM-516 - No safety hazard	No constraint items found
 SPMS-2111 - Plan maintenance tasks+Manage asset	 SPMS-6242 - Logistic data	No risk items found		
 SPMS-2114 - Implement specific doors state	 SPMS-2316 - Observed state of doors	No risk items found		
	 SPMS-6515 - Observed state of doors	No risk items found		
 SPMS-2116 - Paused Control+Actuate specific level crossing protection facility state	No output exchanges found			
 SPMS-2119 - Root System Function	No output exchanges found			
 SPMS-2121 - Monitor+Evaluate system asset state	 SPMS-6232 - Evaluated system asset state	No risk items found		
	 SPMS-6210 - Evaluated system asset state	No risk items found		

	 SPMS-6209 - Evaluated system asset state	No risk items found			
	 SPMS-4496 - Evaluated system asset state	No risk items found			
	 SPMS-2296 - Evaluated system asset state	No risk items found			
 SPMS-2125 - Exert force on point rails	No output exchanges found				
 SPMS-2126 - Control start of mission activities manually	 SPMS-2341 - Provided driver information	No risk items found			
	 SPMS-7178 - Provided driver information	No risk items found			
 SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates	 SPMS-2234 - 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"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure	{c} SPRM-1738 - Integrity of provided information for determining train motion state	<ul style="list-style-type: none"> SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates
				{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train
		 SPRM-1175 - Late acceleration information from Rolling Stock Reference Point	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure	{c} SPRM-1738 - Integrity of provided information for determining train motion state	<ul style="list-style-type: none"> SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates
				{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train
 SPMS-2128 - Provide+sign configuration data	 SPMS-6445 - Configuration data	No risk items found			
 SPMS-2129 - Prepare+Supervise distribution of the configuration data	 SPMS-2209 - Required state of configuration data	No risk items found			
 SPMS-2131 - Provide planned activation time for infrastructure	 SPMS-2339 - Planned activation time	No risk items found			

<div><div>SF</div>SPMS-2132 - Has physical behaviour moves+lies+is locked</div>	<div><div></div>SPMS-2237 - Actual physical point machine position</div>	<div><div></div>SPRM-1293 - Early actual physical point machine position from Point Machine</div>	<div><div></div>SPRM-299 - Undue movement of a point while train is approaching</div>	<div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div><div></div>SPRM-1294 - Incorrect actual physical point machine position from Point Machine</div>	<div><div></div>SPRM-299 - Undue movement of a point while train is approaching</div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div> <div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div> <div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div><div></div>SPRM-1295 - Late actual physical point machine position from Point Machine</div>	<div><div></div>SPRM-299 - Undue movement of a point while train is approaching</div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div> <div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div> <div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div><div></div>SPRM-1943 - Early actual physical point machine position from Point Machine</div>	<div><div></div>SPRM-301 - [B.3.1.0] Other failure of the track</div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div><div></div>SPRM-1944 - Late actual physical point machine position from Point Machine</div>	<div><div></div>SPRM-301 - [B.3.1.0] Other failure of the track</div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div><div></div>SPRM-1945 - Incorrect actual physical point machine position from Point Machine</div>	<div><div></div>SPRM-301 - [B.3.1.0] Other failure of the track</div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
<div><div>SF</div>SPMS-2134 - Authorise automatic driving state</div>	<div><div></div>SPMS-2247 - Authorised automatic driving state</div>	<div><div></div>SPRM-1266 - Late authorised automatic driving state from Driver</div>	<div><div></div>SPRM-516 - No safety hazard</div>	No constraint items found	
		<div><div></div>SPRM-2293 -</div>	<div><div></div>SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</div>	<div>{c} SPRM-1735 - Train is at standstill</div> <div>{c} SPRM-1749 - Track ahead is free</div>	<div><div>SF</div>SPMS-2158 - Supervise guideway of one train</div> <div><div>SF</div>SPMS-2158 - Supervise guideway of one train</div>
		<div><div></div>SPRM-1265 - Early authorised automatic driving state from Driver</div>	<div><div></div>SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</div>	<div>{c} SPRM-1735 - Train is at standstill</div> <div>{c} SPRM-1749 - Track ahead is free</div>	<div><div>SF</div>SPMS-2158 - Supervise guideway of one train</div>






























<div><div><div>5F</div><div>SPMS-2135 - Has position in relation to geographical coordinates</div></div><div><div><div></div><div>SPMS-2238 - Actual present geographical coordinate</div></div></div></div>		<div><div><div></div><div>SPRM-1267 - Incorrect authorised automatic driving state from Driver</div></div></div>	<div><div><div></div><div>SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</div></div></div>	<div><div><div></div><div>{c} SPRM-1735 - Train is at standstill</div></div></div>	<div><div><div>5F</div><div>SPMS-2158 - Supervise guideway of one train</div></div></div>
				<div><div><div></div><div>{c} SPRM-1749 - Track ahead is free</div></div></div>	<div><div><div>5F</div><div>SPMS-2158 - Supervise guideway of one train</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>SPRM-516 - No safety hazard</div></div></div>	No constraint items found	
		<div><div><div></div><div>SPRM-1176 - (N/A) Early geographical coordinates from Rolling Stock Reference Point</div></div></div>	No hazard items found	No constraint items found	
		<div><div><div></div><div>SPRM-1177 - Incorrect geographical coordinates from Rolling Stock Reference Point</div></div></div>	<div><div><div></div><div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div><div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div></div></div>	<div><div><div></div><div>{c} SPRM-1738 - Integrity of provided information for determining train motion state</div></div></div>	<div><div><div>5F</div><div>SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates</div></div></div>
			<div><div><div></div><div>{c} SPRM-1736 - Integrity of received information for determining train motion state</div></div></div>	<div><div><div>5F</div><div>SPMS-2192 - Sense+Observe motion of one train</div></div></div>	
			<div><div><div></div><div>{c} SPRM-1739 - Consistency between information for determining train motion state</div></div></div>	<div><div><div>5F</div><div>SPMS-2192 - Sense+Observe motion of one train</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>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div><div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div></div></div>	<div><div><div></div><div>{c} SPRM-1738 - Integrity of provided information for determining train motion state</div></div></div>	<div><div><div>5F</div><div>SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates</div></div></div>
			<div><div><div></div><div>{c} SPRM-1736 - Integrity of received information for determining train motion state</div></div></div>	<div><div><div>5F</div><div>SPMS-2192 - Sense+Observe motion of one train</div></div></div>	
			<div><div><div></div><div>{c} SPRM-1739 - Consistency between information for determining train motion state</div></div></div>		































<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>	<div><div>5F</div>SPMS-2326 - Authorised distance and speed restriction</div>	<div><div>Warning</div>SPRM-1052 - Early indication of Authorised distance and speed restriction to Driver</div>	<div><div>5F</div>SPRM-516 - No safety hazard</div>	No constraint items found	<div><div>5F</div>SPMS-2192 - Sense+Observe motion of one train</div>
		<div><div>Warning</div>SPRM-1056 - Late indication of Authorised distance and speed restriction to Driver</div>	<div><div>5F</div>SPRM-120 - [B.1.2.4] Over-speeding</div>	<div><div>C</div>SPRM-1439 - Train located within movement permission</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
		<div><div>Warning</div>SPRM-1057 - Incorrect indication of Authorised distance and speed restriction to Driver</div>	<div><div>5F</div>SPRM-120 - [B.1.2.4] Over-speeding</div>	<div><div>C</div>SPRM-1440 - Train speed is equal or less than the authorised target speed</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
				<div><div>C</div>SPRM-1439 - Train located within movement permission</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
				<div><div>C</div>SPRM-1440 - Train speed is equal or less than the authorised target speed</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
				<div><div>C</div>SPRM-1439 - Train located within movement permission</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
<div><div>5F</div>SPMS-2325 - Authorised distance and speed restriction</div>	<div><div>5F</div>SPMS-2325 - Authorised distance and speed restriction</div>	<div><div>Warning</div>SPRM-1401 - Early indication of Authorised distance and speed restriction to Driver</div>	<div><div>5F</div>SPRM-516 - No safety hazard</div>	No constraint items found	
		<div><div>Warning</div>SPRM-1402 - Incorrect indication of Authorised distance and speed restriction to Driver</div>	<div><div>5F</div>SPRM-120 - [B.1.2.4] Over-speeding</div>	<div><div>C</div>SPRM-1439 - Train located within movement permission</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
		<div><div>Warning</div>SPRM-1403 - Late indication of Authorised distance and speed restriction to Driver</div>	<div><div>5F</div>SPRM-120 - [B.1.2.4] Over-speeding</div>	<div><div>C</div>SPRM-1440 - Train speed is equal or less than the authorised target speed</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
				<div><div>C</div>SPRM-1439 - Train located within movement permission</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
				<div><div>C</div>SPRM-1440 - Train speed is equal or less than the authorised target speed</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
				<div><div>C</div>SPRM-1439 - Train located within movement permission</div>	<div><div>5F</div>SPMS-2137 - Ensure safe movement of trains</div>
<div><div>5F</div>SPMS-2249 - Authorised distance and speed restriction</div>	<div><div>5F</div>SPMS-2249 - Authorised distance and speed restriction</div>	<div><div>Warning</div>SPRM-1058 - Early indication of Authorised distance and speed restriction to TMS</div>	<div><div>5F</div>SPRM-516 - No safety hazard</div>	No constraint items found	

		 SPRM-1059 - Late indication of Authorised distance and speed restriction to TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found		
		 SPRM-1060 - Incorrect indication of Authorised distance and speed restriction to TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found		
 SPMS-2323 - Indicated start of mission data		No risk items found				
 SPMS-6930 - Authorised distance and speed restriction		No risk items found				
 SPMS-6951 - Required state of full service brake or traction cut off or emergency brake		 SPRM-2287 - EB or SB command is not sent when required by Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found		
		 SPRM-2286 - EB or SB command is not sent from CCS to Rolling Stock	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains	
		 SPRM-2285 - EB or SB command is sent later than expected from CCS to Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains	
 SPMS-7230 - Authorised distance and speed restriction		 SPRM-1053 - Early indication of Authorised distance and speed restriction to Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found		
		 SPRM-1054 - Late indication of Authorised distance and speed restriction to Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found		
		 SPRM-1055 - Incorrect indication of Authorised distance and speed restriction to Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found		
 SPMS-2138 - Has position and direction in relation to track coordinates	 SPMS-2239 - Actual present position and direction	 SPRM-1179 - (N/A) Early position and direction from Rolling Stock Reference Point	No hazard items found	No constraint items found		
		 SPRM-1180 - Incorrect position and direction from Rolling Stock Reference Point	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure	{c} SPRM-1738 - Integrity of provided information for determining train motion state	<ul style="list-style-type: none"> SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates	

					{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train
		SPRM-1181 - Late position and direction from Rolling Stock Reference Point	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure		{c} SPRM-1738 - Integrity of provided information for determining train motion state	<ul style="list-style-type: none"> SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates
					{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train
		SPRM-1437 - Late position and direction from Rolling Stock Reference Point	<ul style="list-style-type: none"> SPRM-516 - No safety hazard		No constraint items found	
SPMS-2140 - Has velocity in relation to track coordinates	SPMS-2243 - Actual velocity	SPRM-1182 - (N/A) Early train speed from Rolling Stock Reference Point	No hazard items found		No constraint items found	
		SPRM-1183 - Incorrect train speed from Rolling Stock Reference Point	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-389 - KERNEL-9 SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure		{c} SPRM-1738 - Integrity of provided information for determining train motion state	<ul style="list-style-type: none"> SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates
					{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train
		SPRM-1184 - Late train speed from Rolling Stock Reference Point	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-389 - KERNEL-9 SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure		{c} SPRM-1738 - Integrity of provided information for determining train motion state	<ul style="list-style-type: none"> SPMS-2127 - Has acceleration vector in relation to rolling stock coordinates
					{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train
SPMS-2141 - Has wheel position and direction in relation to track coordinates	SPMS-2244 - Actual wheel passing	SPRM-1135 - Incorrect wheel passing information from Wheel	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-479 - RSSB_2.03.05 - Wrong side signalling failure - Track circuit fails to detect train		{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"> SPMS-2192 - Sense+Observe motion of one train































	<ul style="list-style-type: none">🔥 SPRM-1726 - [XYZ] Undue movement of a point🔥 SPRM-299 - Undue movement of a point while train is approaching🔥 SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)	{c} SPRM-1739 - Consistency between information for determining train motion state	<ul style="list-style-type: none">🟢 SPMS-2192 - Sense+Observe motion of one train	
⚠️ SPRM-1438 - Late wheel passing information from Wheel (1)	<ul style="list-style-type: none">🔥 SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)	No constraint items found		
⚠️ SPRM-1982 - Late wheel passing information from Wheel (2)	<ul style="list-style-type: none">🔥 SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure🔥 SPRM-479 - RSSB_2.03.05 - Wrong side signalling failure - Track circuit fails to detect train🔥 SPRM-1726 - [XYZ] Undue movement of a point🔥 SPRM-299 - Undue movement of a point while train is approaching🔥 SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)	{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none">🟢 SPMS-2192 - Sense+Observe motion of one train	
		{c} SPRM-1739 - Consistency between information for determining train motion state	<ul style="list-style-type: none">🟢 SPMS-2192 - Sense+Observe motion of one train	
⚠️ SPRM-1134 - Early wheel passing information from Wheel	<ul style="list-style-type: none">🔥 SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure🔥 SPRM-479 - RSSB_2.03.05 - Wrong side signalling failure - Track circuit fails to detect train🔥 SPRM-299 - Undue movement of a point while train is approaching🔥 SPRM-1726 - [XYZ] Undue movement of a point🔥 SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)	{c} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none">🟢 SPMS-2192 - Sense+Observe motion of one train	
		{c} SPRM-1739 - Consistency between information for determining train motion state	<ul style="list-style-type: none">🟢 SPMS-2192 - Sense+Observe motion of one train	
🟢 SPMS-2146 - Implement specific traction and braking effort	🟢 SPMS-2245 - 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">🔥 SPRM-516 - No safety hazard	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"> SPRM-516 - No safety hazard	No constraint items found	
		 SPRM-1276 - Early applied level of traction and brake effort from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPMS-7167 - Provided brake status	No risk items found			
 SPMS-2148 - Calculate operational traffic plan	 SPMS-2357 - Required operational traffic plan	 SPRM-1475 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-519 - [xy] Field Force on track without trackside protection	<div>{c} SPRM-1742 - High quality standard for planning of usage restriction deactivation times</div> <div>{c} SPRM-1743 - Deactivation of planned usage restrictions requested</div>	<ul style="list-style-type: none"> SPMS-2148 - Calculate operational traffic plan SPMS-2159 - Control usage restriction areas
		 SPRM-1476 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-519 - [xy] Field Force on track without trackside protection	<div>{c} SPRM-1742 - High quality standard for planning of usage restriction deactivation times</div> <div>{c} SPRM-1743 - Deactivation of planned usage restrictions requested</div>	<ul style="list-style-type: none"> SPMS-2148 - Calculate operational traffic plan SPMS-2159 - Control usage restriction areas
		 SPRM-1477 - Late required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
		 SPRM-913 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
		 SPRM-956 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-120 - [B.1.2.4] Over-speeding	<div>{c} SPRM-1747 - Requested usage restriction parameters adheres to infrastructure and train-side restrictions</div> <div>{c} SPRM-1746 - Usage restriction confirmation matches operational plan</div>	<ul style="list-style-type: none"> SPMS-2159 - Control usage restriction areas SPMS-2167 - Supervise state of railway operation
		 SPRM-957 - Late required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-120 - [B.1.2.4] Over-speeding	<div>{c} SPRM-1757 - Usage restriction is planned</div> <div>{c} SPRM-2015 - Usage restriction is active at planned time</div>	<ul style="list-style-type: none"> SPMS-2167 - Supervise state of railway operation SPMS-2148 - Calculate operational traffic plan































 SPMS-2354 - Required operational traffic plan	 SPRM-1451 - Late required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1448 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1450 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
 SPMS-2360 - Required operational traffic plan	No risk items found			
 SPMS-2350 - Required operational traffic plan	 SPRM-1305 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> SPMS-2190 - Control position of one point
	 SPRM-1306 - Late required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1304 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
 SPMS-2359 - Required operational traffic plan	No risk items found			
 SPMS-2351 - Required operational traffic plan	 SPRM-1047 - Late required operational traffic plan from TMS (1)	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1392 - Late required operational traffic plan from TMS (2)	<ul style="list-style-type: none"> SPRM-110 - [B.1.1.1] Improper routing	{c} SPRM-1442 - Train adheres to infrastructure restrictions	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			{c} SPRM-1443 - Requested track path is free of occupancies	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			{c} SPRM-1444 - Requested track path is distinct from other authorised track paths	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
	 SPRM-1043 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1048 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"> SPRM-110 - [B.1.1.1] Improper routing	{c} SPRM-1442 - Train adheres to infrastructure restrictions	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains

























				{c} SPRM-1443 - Requested track path is free of occupancies	<ul style="list-style-type: none">SPMS-2137 - Ensure safe movement of trains
				{c} SPRM-1444 - Requested track path is distinct from other authorised track paths	<ul style="list-style-type: none">SPMS-2137 - Ensure safe movement of trains
SPMS-2153 - Paused Sense+Observe specific level crossing protection facility state	No output exchanges found				
SPMS-2158 - Supervise guideway of one train	No output exchanges found				
SPMS-2159 - Control usage restriction areas	SPMS-2219 - Usage restriction state	SPRM-1482 - Incorrect indication of usage restriction deactivation state to Signaller	<ul style="list-style-type: none">SPRM-516 - No safety hazard	No constraint items found	
		SPRM-1484 - Late indication of Usage restriction deactivation state to Signaller	<ul style="list-style-type: none">SPRM-516 - No safety hazard	No constraint items found	
		SPRM-1778 - Incorrect confirmation request of usage restriction deactivation to Signaller	<ul style="list-style-type: none">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failureSPRM-519 - [xy] Field Force on track without trackside protection	{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none">SPMS-2167 - Supervise state of railway operation
		SPRM-1483 - Late confirmation request of usage restriction deactivation to Signaller	<ul style="list-style-type: none">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">SPRM-516 - No safety hazard	No constraint items found	
		SPRM-968 - Late indication of Usage restriction activation state to Signaller	<ul style="list-style-type: none">SPRM-516 - No safety hazard	No constraint items found	
		SPRM-964 - Late confirmation request of usage restriction activation to Signaller	<ul style="list-style-type: none">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failureSPRM-120 - [B.1.2.4] Over-speedingSPRM-519 - [xy] Field Force on track without trackside protection	{c} SPRM-2109 - Usage restriction activation is planned	<ul style="list-style-type: none">SPMS-2159 - Control usage restriction areas
				{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none">SPMS-2167 - Supervise state of railway operation
		SPRM-967 - Incorrect indication of Usage restriction activation state to Signaller	<ul style="list-style-type: none">SPRM-519 - [xy] Field Force on track without trackside protection	{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none">SPMS-2167 - Supervise state of railway operation

<div>SPMS-2215 - Usage restriction state</div>	<div><div>⚠️</div>SPRM-966 - Early indication of Usage restriction activation state to Signaller</div>	<div><div>⚡</div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div> <div><div>⚡</div>SPRM-120 - [B.1.2.4] Over-speeding</div> <div><div>⚡</div>SPRM-519 - [xy] Field Force on track without trackside protection</div>
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		 SPRM-1453 - Incorrect indication of driving information to Driver	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1454 - Late indication of driving information to Driver	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
	 SPMS-2327 - Indicated supporting information	No risk items found		
	 SPMS-2329 - Indicated supporting information	No risk items found		
 SPMS-2161 - Merged with authorise motion on CCS level : Supervise compliance of speed profiles of one train	No output exchanges found			
 SPMS-2163 - Control cab mode of one train	 SPMS-6879 - Reported cab status	 SPRM-2256 - Early sending of cab status from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-2313 - Late sending of cab status from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-2314 - Incorrect cab status is sent from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
	 SPMS-6978 - Reported cab status	 SPRM-2303 - Early sending of cab status from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-2315 - Late sending of cab status from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill <ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
		 SPRM-2316 - Incorrect cab status is sent by Rolling Stock Operating System	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill <ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
 SPMS-2164 - Paused Control coupling state of one train	No output exchanges found			
 SPMS-2165 - Merged with authorise motion on CCS level : Supervise standstill of one train	No output exchanges found			
 SPMS-2167 - Supervise state of railway operation	 SPMS-2347 - Requested track path	 SPRM-1049 - Early requested track path from Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found




























	 SPRM-1051 - Late requested track path from Signaller (1)	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1391 - Late requested track path from Signaller (2)	<ul style="list-style-type: none"> SPRM-110 - [B.1.1.1] Improper routing	<div><div><div>{c} SPRM-1758 - Requested track path adheres to train-side restrictions</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			<div><div><div>{c} SPRM-1443 - Requested track path is free of occupancies</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			<div><div><div>{c} SPRM-1444 - Requested track path is distinct from other authorised track paths</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
	 SPRM-1050 - Incorrect requested track path from Signaller	<ul style="list-style-type: none"> SPRM-110 - [B.1.1.1] Improper routing	<div><div><div>{c} SPRM-1758 - Requested track path adheres to train-side restrictions</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			<div><div><div>{c} SPRM-1442 - Train adheres to infrastructure restrictions</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			<div><div><div>{c} SPRM-1443 - Requested track path is free of occupancies</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
			<div><div><div>{c} SPRM-1444 - Requested track path is distinct from other authorised track paths</div></div></div>	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
 SPMS-4628 - Requested point position	 SPRM-1300 - Incorrect requested point position from Signaller (1)	<ul style="list-style-type: none"> SPRM-299 - Undue movement of a point while train is approaching SPRM-1726 - [XYZ] Undue movement of a point	<div><div><div>{c} SPRM-1699 - Point is free of occupancy</div></div></div>	<ul style="list-style-type: none"> SPMS-2190 - Control position of one point
	 SPRM-1750 - Incorrect requested point position from Signaller (2)	<ul style="list-style-type: none"> SPRM-114 - [B.1.1.0] Other failure to operate the infrastructure	<div><div><div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div></div></div>	<ul style="list-style-type: none"> SPMS-2190 - Control position of one point
	 SPRM-1751 - Late requested point position from Signaller	<ul style="list-style-type: none"> SPRM-114 - [B.1.1.0] Other failure to operate the infrastructure	<div><div><div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div></div></div>	<ul style="list-style-type: none"> SPMS-2190 - Control position of one point
























	 SPRM-1299 - Late requested point position from Signaller	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> SPMS-2190 - Control position of one point
	 SPRM-1298 - Early requested point position from Signaller	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> SPMS-2190 - Control position of one point
 SPMS-4824 - Provided usage restriction state	 SPRM-958 - Early usage restriction activation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
	 SPRM-1479 - Incorrect usage restriction deactivation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-519 - [xy] Field Force on track without trackside protection SPRM-120 - [B.1.2.4] Over-speeding	{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none"> SPMS-2167 - Supervise state of railway operation
			{c} SPRM-1740 - Confirmed usage restriction matches requested usage restriction	<ul style="list-style-type: none"> SPMS-2159 - Control usage restriction areas
	 SPRM-2173 - Late usage restriction activation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-120 - [B.1.2.4] Over-speeding	{c} SPRM-2241 - Usage restriction is requested	
	 SPRM-971 - Incorrect usage restriction activation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-120 - [B.1.2.4] Over-speeding	{c} SPRM-1740 - Confirmed usage restriction matches requested usage restriction	
	 SPRM-1478 - Early usage restriction deactivation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure SPRM-519 - [xy] Field Force on track without trackside protection SPRM-120 - [B.1.2.4] Over-speeding	{c} SPRM-1702 - Usage restriction area is free of field force	
			<ul style="list-style-type: none"> SPMS-2167 - Supervise state of railway operation	
	 SPRM-972 - Late usage restriction activation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-120 - [B.1.2.4] Over-speeding	{c} SPRM-1757 - Usage restriction is planned	
	 SPRM-1480 - Late usage restriction deactivation confirmation from Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
No risk items found				

	 SPMS-7094 - Requested emergency stop				
 SPMS-2171 - Provide current time	 SPMS-2259 - Provided current time	No risk items found			
	 SPMS-2260 - Provided current time	No risk items found			
	 SPMS-2258 - Provided current time	No risk items found			
	 SPMS-4728 - Provided current time	No risk items found			
	 SPMS-4587 - Provided current time	No risk items found			
	 SPMS-2266 - Provided current time	No risk items found			
	 SPMS-2261 - Provided current time	No risk items found			
	 SPMS-2264 - Provided current time	No risk items found			
 SPMS-2172 - Use system voice communication	 SPMS-2319 - Exchanged information	No risk items found			
 SPMS-2174 - Use system voice communication	 SPMS-2318 - Exchanged information	No risk items found			
 SPMS-2177 - Supervise passenger exchange	No output exchanges found				
 SPMS-2179 - To be delted Manage asset	No output exchanges found				
 SPMS-2180 - Control automatic driving speed of one train	 SPMS-2365 - Required relative traction and brake effort	 SPRM-1242 - Early Required relative traction and brake effort to Rolling Stock Operational System	<ul style="list-style-type: none"> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure	{c} SPRM-1749 - Track ahead is free	<ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
				{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
				{c} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"> SPMS-2137 - Ensure safe movement of trains
				{c} SPRM-1749 - Track ahead is free	

		⚠️ SPRM-1243 - Late Required relative traction and brake effort to Rolling Stock Operational System	<ul style="list-style-type: none">⚡ SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none">🟢 SF SPMS-2158 - Supervise guideway of one train
				{c} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none">🟢 SF SPMS-2137 - Ensure safe movement of trains
		⚠️ SPRM-1246 - Incorrect Required relative traction and brake effort to Rolling Stock Operational System	<ul style="list-style-type: none">⚡ SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure	{c} SPRM-1749 - Track ahead is free	<ul style="list-style-type: none">🟢 SF SPMS-2158 - Supervise guideway of one train
				{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none">🟢 SF SPMS-2137 - Ensure safe movement of trains
				{c} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none">🟢 SF SPMS-2137 - Ensure safe movement of trains
	🔌 SPMS-2321 - Indicated automatic driving state	⚠️ SPRM-1240 - Early indication of automatic departure readiness state to Driver	<ul style="list-style-type: none">⚡ SPRM-516 - No safety hazard	No constraint items found	
		⚠️ SPRM-1244 - Late indication of automatic departure readiness state to Driver	<ul style="list-style-type: none">⚡ SPRM-516 - No safety hazard	No constraint items found	
		⚠️ SPRM-1245 - Incorrect indication of automatic departure readiness state to Driver	<ul style="list-style-type: none">⚡ SPRM-516 - No safety hazard	No constraint items found	
🟢 SF SPMS-2182 - Maintain configuration data	🔌 SPMS-6038 - Actual state of configuration data	No risk items found			
	🔌 SPMS-2242 - Actual state of configuration data	No risk items found			
	🔌 SPMS-6037 - Actual state of configuration data	No risk items found			
🟢 SF SPMS-2187 - Paused Control level crossing protection state	No output exchanges found				

<div>SF</div> SPMS-2190 - Control position of one point	<div>SPMS-2361 - Required point machine movement</div>	<div>SPRM-1302 - Incorrect Required point machine movement to Point Machine (1)</div>	<div><div>SPRM-299 - Undue movement of a point while train is approaching</div><div>SPRM-1726 - [XYZ] Undue movement of a point</div></div>	<div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div>SPRM-1303 - Late Required point machine movement to Point Machine (1)</div>	<div><div>SPRM-299 - Undue movement of a point while train is approaching</div><div>SPRM-1726 - [XYZ] Undue movement of a point</div></div>	<div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div>SPRM-1732 - Incorrect Required point machine movement to Point Machine (2)</div>	<div><div>SPRM-312 - [B.3.0] Other failures of the infrastructure</div></div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div>SPRM-1733 - Late Required point machine movement to Point Machine (2)</div>	<div><div>SPRM-312 - [B.3.0] Other failures of the infrastructure</div></div>	<div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
		<div>SPRM-1301 - Early Required point machine movement to Point Machine</div>	<div><div>SPRM-299 - Undue movement of a point while train is approaching</div><div>SPRM-1726 - [XYZ] Undue movement of a point</div></div>	<div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div>SF</div>SPMS-2190 - Control position of one point</div>
<div><div>SF</div>SPMS-2191 - Paused Observe level crossing protection status</div>	No output exchanges found				
<div><div>SF</div>SPMS-2192 - Sense+Observe motion of one train</div>	<div>SPMS-2336 - Estimated motion state</div>	<div>SPRM-1191 - Early indication of current train speed to Driver</div>	<div><div>SPRM-120 - [B.1.2.4] Over-speeding</div></div>	<div>{c} SPRM-1717 - Integrity of train speed display</div>	<div><div>SF</div>SPMS-2192 - Sense+Observe motion of one train</div>
		<div>SPRM-1193 - Late indication of current train speed to Driver</div>	<div><div>SPRM-120 - [B.1.2.4] Over-speeding</div></div>	<div>{c} SPRM-1717 - Integrity of train speed display</div>	<div><div>SF</div>SPMS-2192 - Sense+Observe motion of one train</div>
		<div>SPRM-1192 - Incorrect indication of current train speed to Driver</div>	<div><div>SPRM-120 - [B.1.2.4] Over-speeding</div></div>	<div>{c} SPRM-1717 - Integrity of train speed display</div>	<div><div>SF</div>SPMS-2192 - Sense+Observe motion of one train</div>
	<div>SPMS-2330 - Estimated motion state</div>	<div>SPRM-1188 - Early indication of estimated train area occupation information to Signaller</div>	<div><div>SPRM-516 - No safety hazard</div></div>	No constraint items found	

		 SPRM-1189 - Incorrect indication of estimated train area occupation information to Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1190 - Late indication of estimated train area occupation information to Signaller	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
	 SPMS-2300 - Estimated motion state	 SPRM-1185 - Early indication of estimated train motion state information to TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1186 - Incorrect indication of estimated train motion state information to TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1187 - Late indication of estimated train motion state information to TMS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
	 SPMS-6660 - Estimated motion state	No risk items found		
 SPMS-6206 - Analyse Infrastructure Manager system asset state	No output exchanges found			
 SPMS-6207 - Analyse Railway Undertaking system asset state	No output exchanges found			
 SPMS-6241 - Check+Sign configuration data	 SPMS-6244 - Configuration data	No risk items found		
 SPMS-6482 - Monitor system asset state information	No output exchanges found			
 SPMS-6518 - Provide configuration data	 SPMS-6524 - Configuration data	No risk items found		
 SPMS-6570 - Provide planned activation time for vehicle	 SPMS-6579 - Planned activation time	No risk items found		
 SPMS-6817 - Control power of one train	 SPMS-6969 - Main power status	 SPRM-2471 - Early sending of cab status from Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found
		 SPRM-2488 - Main power switch turn-off information is not sent by Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill

		 SPRM-2489 - Incorrect main power switch turn-off information is sent by Rolling Stock Operation System	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill	<ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
		 SPRM-2391 - Main power switch turn-off information is sent later than expected to Rolling Stock when driver turn-off the switch	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill	<ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
		 SPRM-2392 - No main power turn-off information is sent to Rolling Stock when driver turn-off the switch	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill	<ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
		 SPRM-2393 - Incorrect main power switch turn-off information is sent to Rolling Stock when driver turn-off the switch	<ul style="list-style-type: none"> SPRM-117 - [B.1.2.1] Signal passed at danger with passing of a danger point	{c} SPRM-1735 - Train is at standstill	<ul style="list-style-type: none"> SPMS-2158 - Supervise guideway of one train
 SPMS-6819 - Switch train power	No output exchanges found				
 SPMS-6821 - Control registration of functional number	 SPMS-6878 - Provided functional number	 SPRM-2325 - De-registration request from driver is sent earlier than expected to CCS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
		 SPRM-2326 - De-registration request from driver is sent late or not sent to CCS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
		 SPRM-2327 - Incorrect de-registration request from driver is sent to CCS	<ul style="list-style-type: none"> SPRM-516 - No safety hazard	No constraint items found	
 SPMS-7317 - Carry our maintenance task	No output exchanges found				
 SPPR-10082 - Function	No output exchanges found				