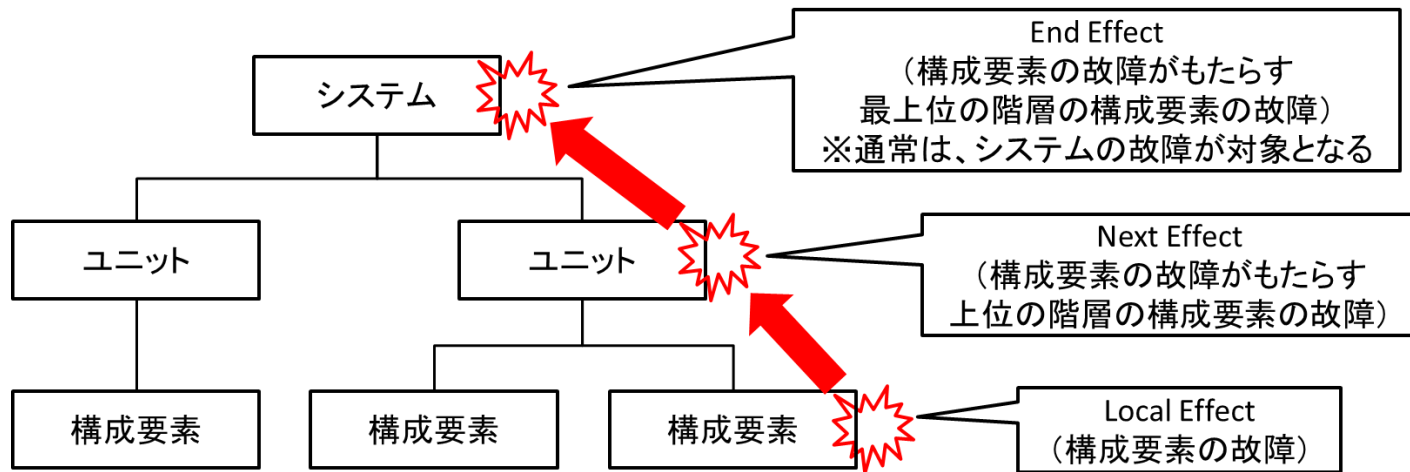


<WF1-6-1-1> 故障の最終的な影響を受ける部品について

End Effectとは、発生した故障の最終的な影響のことです。

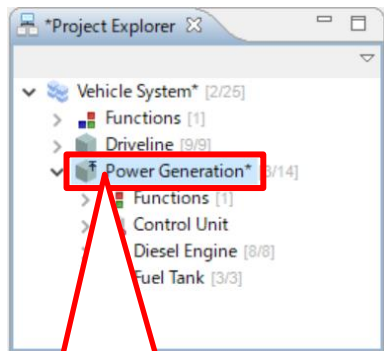
最終的な影響を受ける部品は、End Effectとしてアイテムに設定することができます。

(End Effectは、1つのモデルで1つのアイテムにのみ設定することができます)



<WF1-6-1-3> Response Pathについて

Response Pathは、選択した部品の範囲において、最終的な影響を受ける部品の機能故障に至る全てのパターン（故障経路）をリスト化したものです。



最終的な影響を受ける部品：
Power Generation
選択した部品：
Power Generation

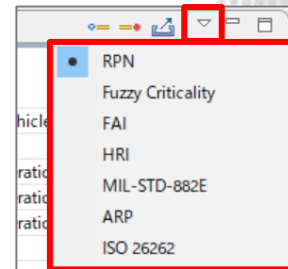
Cause	Local Effect	Next Higher Level	End Effect
Vehicle System (134)			
Convert Mechanical - rotational Torque Low (Power Generation)	Convert Mechanical - rotational Angular velo...	N/A	Convert Mechanical - rotational Torque Low (P...
Power Generation (133)			
Convert Mechanical - rotational Torque Low (Diesel Engine)	Convert Mechanical - rotational Torque Low (...)	N/A	Convert Mechanical - rotational Torque Low (P...
Process Continuous Amplitude Low (Control Unit)	Convert Mechanical - rotational Torque Low (...)	N/A	Convert Mechanical - rotational Torque Low (P...
Provide Liquid Static pressure Low (Fuel Tank)	Convert Mechanical - rotational Torque Low (...)	N/A	Convert Mechanical - rotational Torque Low (P...
Control Unit (24)			
Diesel Engine (69)			
Control Mechanical - linear Linear velocity Low (Governor)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Convert Mechanical - rotational Torque Low (Engine)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Couple Mechanical - rotational Angular velocity Low (Coupl...	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Increase Liquid Flow rate Low (Lift Pump)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Refine Gas Mass flow rate Low (Air Filter)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Refine Liquid Flow rate Low (Primary Fuel Filter)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Refine Liquid Flow rate Low (Secondary Fuel Filter)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Regulate Liquid Dynamic pressure Low (Injector Pump)	Convert Mechanical - rotational Torque Low (...)	Convert Mechanical - rotational Torque Lo...	Convert Mechanical - rotational Torque Low (P...
Air Filter (8)			
Coupling 1 (4)			
Engine (13)			
Governor (6)			
Injector Pump (7)			
Lift Pump (7)			
Primary Fuel Filter (8)			
Secondary Fuel Filter (8)			
Fuel Tank (37)			

Power Generationの各部品において、Power Generationの機能故障に至る全てのパターン（故障経路）がリスト化される


<WF1-6-1-3> Response Pathについて

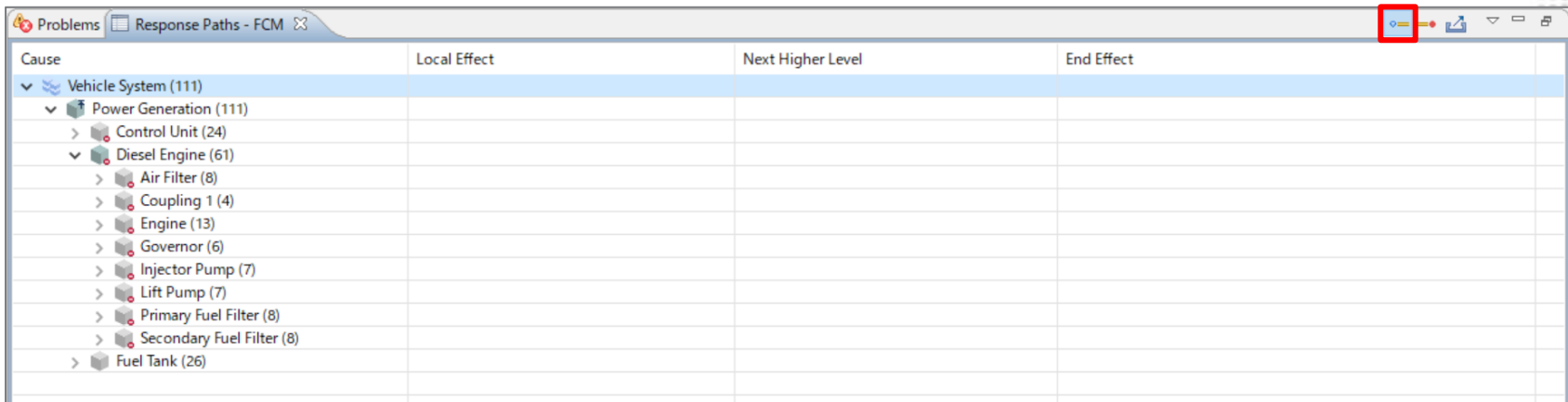
SRAモジュールに設定した状態でResponse Pathを作成すると、各部品の致命度を確認することができます。また、致命度はドロップダウンメニューで切り替えることが可能です。

Cause	Local Effect	Next Higher Level	End Effect	Occurrence	Severity	Detectability	RPN	Apparent Occurrence	HRI Risk
Vehicle System (134)									
Convert Mechanical - rotational Tor	Convert Mechanical - ...	N/A	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Power Generation (133)									
Convert Mechanical - rotational	Convert Mechanical - ...	N/A	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Process Continuous Amplitude L	Convert Mechanical - ...	N/A	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Provide Liquid Static pressure Lo	Convert Mechanical - ...	N/A	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Control Unit (24)									
Diesel Engine (69)									
Control Mechanical - linear L	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Convert Mechanical - rotatio	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Couple Mechanical - rotator	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Increase Liquid Flow rate Lov	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Refine Gas Mass flow rate Lo	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Refine Liquid Flow rate Low	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Refine Liquid Flow rate Low	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Regulate Liquid Dynamic pre	Convert Mechanical - ...	Convert Mechanical - ...	Convert Mechanical - ...	10.0	10.0	10.0	1000	Very High (9.2)	Extreme
Air Filter (8)									
Coupling 1 (4)									
Engine (13)									
Governor (6)									
Injector Pump (7)									
Lift Pump (7)									
Primary Fuel Filter (8)									
Secondary Fuel Filter (8)									
Fuel Tank (37)									



<WF1-6-1-3> Response Pathについて

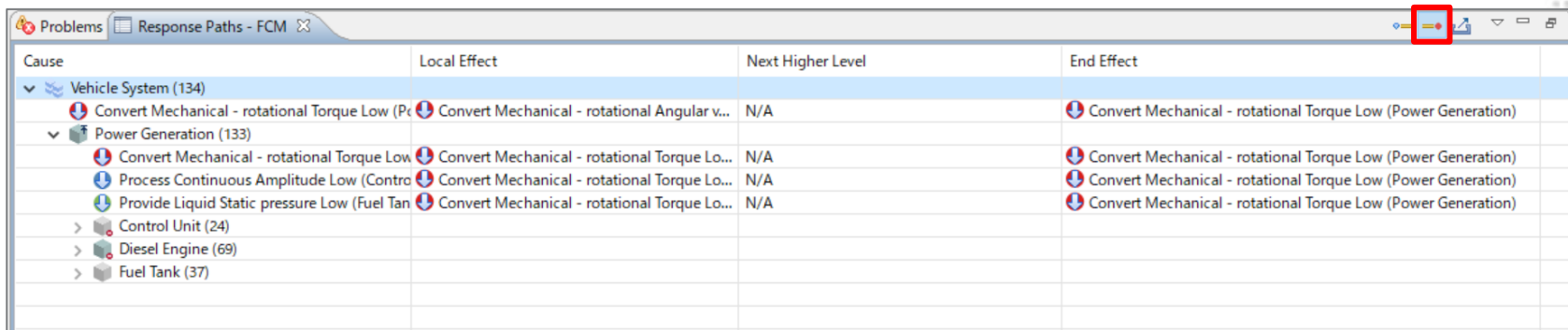
 アイコンを選択すると、各部品がシステム機能不全に至る根本原因となるパターン（故障経路）のみを表示します。



Cause	Local Effect	Next Higher Level	End Effect
Vehicle System (111)			
Power Generation (111)			
Control Unit (24)			
Diesel Engine (61)			
Air Filter (8)			
Coupling 1 (4)			
Engine (13)			
Governor (6)			
Injector Pump (7)			
Lift Pump (7)			
Primary Fuel Filter (8)			
Secondary Fuel Filter (8)			
Fuel Tank (26)			

<WF1-6-1-3> Response Pathについて

➡ アイコンを選択すると、最終的な影響を受ける部品の故障へ進展しない故障プロセスも表示されます。



Cause	Local Effect	Next Higher Level	End Effect
Vehicle System (134)			
Convert Mechanical - rotational Torque Low (Power Generation)	Convert Mechanical - rotational Angular v...	N/A	Convert Mechanical - rotational Torque Low (Power Generation)
Power Generation (133)			
Convert Mechanical - rotational Torque Low (Power Generation)	Convert Mechanical - rotational Torque Lo...	N/A	Convert Mechanical - rotational Torque Low (Power Generation)
Process Continuous Amplitude Low (Control Unit)	Convert Mechanical - rotational Torque Lo...	N/A	Convert Mechanical - rotational Torque Low (Power Generation)
Provide Liquid Static pressure Low (Fuel Tank)	Convert Mechanical - rotational Torque Lo...	N/A	Convert Mechanical - rotational Torque Low (Power Generation)
> Control Unit (24)			
> Diesel Engine (69)			
> Fuel Tank (37)			