Some/IP Service Implementation

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1. Adding a method that resets the fault.

Added a new system variable FaultType

I changed the gui TPM.xvp to include a button for resetting the fault

***SERVER:***

**RESET:::::**

Created a peg\_2 eventgroup to handle reset

Created reset\_b and adding field with reset notification id, psi,reset getter and reset setter

Adding field to event group peg2 reset b

I have a some ip method that takes in psi,33 and onsomeipresetfieldrequest.

OnSomeIpReset Request

Retrieves the method parameter

Sets the Faults type to be 0

Commits a reset\_b field

***DANGER ::::***  
added an event handle Dan for danger zone

Added reset\_ b field handle for reset error

Created Danger\_pressure\_event with 0x8003 value

Created Reset notification id with 0x8033 val

Have a reset setter and resitter id of values 33/34

Created dan a new event that has to do with danger zone, it takes a service instance, a danger pressure event and on prepare event 2 is run. Added danger field to an event group.

Have a sysvar danger limit that triggers dan , the event handle

OnPrepareEvent2 wirtes out the danger tyre pressure.

It then inserts the danger limit value into a data buffer and sets the data to be sent to the client.

***CLIENT:***

***Reset::***

Have reset Fault Code as global method call handle, along with a reset fault code setter.

Have a resetsetter id of value 33

Have a resetgetter id value with ID 34.

Have a resetfaultcode which is a someimcreatemethodcall with a method id value of 39 and uses a onMethodResponse.

Created a someIpSetData that takes in the resetfault code with an el count(payload) and the payload.

OnResetNotificaition gets the retured parameter value and @Dash:fault =data[0];

I add a someIpCreateField Consumer with fields csi , resetNotifcationId, ResetSetterId, ResetGetterId, and method onResetNotification

Have a sysvar update button handler when the setfaultcode ( i.e. Reset Fault code is pressed). In the method I have danger subscribed to it as it will be used later on. When the button is presed, someIpSetData, resetFaultCodeSetter, 2, dataBuffer

And then I call the setter method SomeIpCallMethod(resetFaultCodeSetter)

***DANGER ::::***

I have a pre field which is a pressure danger zone

Have dan a danger zone consumed event handle

I have a danger event consumer for the danger limit that takes in service instance, id of 0x8003 and calls the callbackevent2

Then I have a method callbackevent2, whch gets the retured parameter value for the danger limit.