**DIFFERENT KIND OF VALIDATIONS THAT WE CAN PERFORM WITH THE HELP OF SOAP TOOL ===>>>>**

**-----** *Mismatch of data between SOAP Response and Application UI.*

We need to verify whether the data that is being returned in SOAP response for a particular field is matching with the data in the application UI. If the value for a particular field in SOAP response is not matching with the value in the application UI for the same field, then it’s a mapping issue. This kind of issue can be raised as a defect and can be assigned to **DEV** team because it is the dev team which maps the SOAP response tags with that of UI for the fields.

*Example :* If we are getting the value for the tag State in SOAP response as “ X “ and getting the value as “ Y “ for the same field State in the application UI, then it can be considered as a defect. The reason for occurrence of this kind of defect is **DEV** may have mistakenly mapped the State of application UI to some other tag { Country in below example } in SOAP response which has value as “ Y “.

SOAP response : <State> <X>

<Country> <Y>

Application UI : State = Y

**-----** *Data not returned in Application UI but returned in SOAP Response.*

If we are not getting value for a particular field in application UI, then we should not assume directly that the particular field is not having any data. We need to run the SOAP service and check in the SOAP response whether we are getting value for that particular field in response. Because, there may be instances where there will be data returned in SOAP response and not getting reflected in Application UI. This kind of issue can be raised as a defect and can be assigned to **DEV** team because it is the dev team which maps the SOAP response tags with that of UI for the fields.

*Example :* If we are getting the value for the tag State in SOAP response as “ X “ and getting the value as blank for the same field State in the application UI, then it can be considered as a defect. The reason for occurrence of this kind of defect is **DEV** may have mistakenly forgotten the mapping of the field State.

SOAP response : <State> <X>

Application UI : State =

**-----** *Data present in the backend system but not returned in the SOAP Response and Application UI.*

There will be certain situations that occur where data will be present in the Backend System but not returned either in the SOAP response or Application UI. This kind of defects will occur when there is an issue with the service. Hence, these kind of defects should be assigned to **AE** team because it is the **AE** team who develops the services.

*Example :* If we are not getting value for a particular field ‘’State’ ‘ in the Application UI or SOAP response but getting a value as “X” for the field State in the Backend system then it can be considered as an **AE** defect and can be assigned to **AE** team. The reason for occurrence of this kind of defect is AE team might have missed something while developing the service or some environmental issue occurred in the service.

Backend System : State \_ X

SOAP response : <State> < >

Application UI : State =

**-----** *Field tag not returned in the SOAP Response.*

There are certain situations where the required response field tag/ response parameter will not be returned in the SOAP Response. In such cases we will however will not get the data in the application for that particular field as the response field tag itself is not returned in the SOAP response. We can know the response parameters for a particular service with the help of Use Case/ User Story / Data Dictionary. For this kind of issue we can raise a defect and assign it to **AE** team as it a problem with service.