1. Technical Details

## Process Flow:

Diagram

Description automatically generated

## Technical Assumptions:

*As we are deploying the changes to Cloud Foundry, for production we need to follow the approach below.*

1. *During cutover phase, we will deploy the MDK App to Production Subaccount ( Production mobile service – PGSSAMDEV01 ).*
2. *For each individual system, MDK App to be deployed to Respective Subaccount and the deployment will be done by Development team.*

## Detailed Technical Design and processing

1. **Backend Changes**

* Add a new field ZZ\_CUST\_THREAT for Customer Threat at the order level CI\_AUFK structure.
* Add the customer threat field at the screen enhancement tab IW32.

1. **Syclo Configuration (Backend S/4 system configurations )**

* Open Syclo Configuration Panel using the transaction “/**SYCLO/CONFIGPANEL**”
* Mobile Application oData Model Detail (Display Mode) 🡪 MyWorkOrderHeader 🡪 Add New Field CustomerThreat
* oData Mobile Data Object Detail (Display Mode) 🡪 SAM2105\_WORK\_ORDER\_GENERIC 🡪 Table AUFK\* 🡪 Mark the newly added field “CustomerThreat” as field active
* Exchange Object Detail (display mode) 🡪 SAM2105\_WORK\_ORDER 🡪 Change Detection Field Selection

Table CAUFVDB\* 🡪 Color and flag fields mark as active.

1. **SAP MDK metadata changes**

* Download [SAP Asset Manager 2105 Metadata](https://launchpad.support.sap.com/#/softwarecenter/template/products/_APP=00200682500000001943&_EVENT=DISPHIER&HEADER=N&FUNCTIONBAR=Y&EVENT=TREE&TMPL=INTRO_SWDC_IU_MOBILE&V=INST&REFERER=CATALOG-INSTALLATIONS&ROUTENAME=products/By%20Category%20-%20SAP%20Mobile%20Solutions) and import it to SAP Business Application Studio.
* Create a new CIM (Component Integration Metadata) project and make the required changes.
* Deploy the App to SAP BTP (Business Technology Platform) - Cloud Foundry Developer Subaccount.





## Run Procedure:

* Create / Change Work Orders using the Tcodes IW31 and IW32.
* Open SAP Asset Manager App in iPhone or iPad and click on “Sync” button.

1. Dependencies

|  |
| --- |
| *{Briefly describe all dependencies of this enhancement like Process dependencies, Update of different tables etc.}* |
| * SAP Mobile Service PGSDEV to be created in SAP BTP. This will be a cutover activity and the mobile service for production subaccount will be created as part of the cutover. * The metadata changes will be deployed to production subaccount as part of cutover. * IOS version 14.x and higher version. * MDM .ipa file distribution to the relevant devices. |

1. Technical Unit Test Cases

| **Unit Test Description** | **Test Steps/**  **Procedures** | **System - Client** | **Test Type**  **(Negative / Positive)** | **Data Sample** | **Expected Results** | **Actual Results** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| User should be able to see the Order in Red color for Order Type EMER and HITL. | 1. Create Work Orders with Order Type EMER and HITL using Transaction IW31.  2. Open SAP Asset Manager App in iPhone or iPad. | DW2-400 | Positive |  | Able to see the orders in Red color. |  | Tested Successfully |
| User should be able to see the Order in Red color for Order Type LKRP and Pm Activity Type 400. | 1. Create / Change Work Orders using Transaction IW31 / IW32.  2. Open SAP Asset Manager App in iPhone or iPad. | DW2-400 | Positive |  | Able to see the orders in Red color. |  | Tested Successfully |
| User should be able to see the Order in Red color for Order Type LOCA and Pm Activity Types 351 / 352. | 1. Create / Change Work Orders using Transaction IW31 / IW32.  2. Open SAP Asset Manager App in iPhone or iPad. | DW2-400 | Positive |  | Able to see the orders in Red color. |  | Tested Successfully |
| User should be able to see the Order in Red color if Customer Threat is maintained. | 1. Create / Change Work Orders using Transaction IW31 / IW32.  2. Open SAP Asset Manager App in iPhone or iPad. | DW2-400 | Positive |  | Able to see the orders in Red color. |  | Tested Successfully |

1. Appendix A: Object Templates

N/A