Software Management

APIM_CIS(Phase4)

Version 2.8
UNCONTROLLED COPY IF PRINTED

Version Date: Oct 23, 2023

FORD CONFIDENTIAL

Revision History

Date	Version	Note
Dec-16, 2019	1.0	Dgeng1: Initial Version
Dec-25,2019	1.1	Dgeng1: modify CCPU and VMCU P/N
Jan -10. 2020	1.2	Dgeng1: Add HMI validation report delivery
Mar-04,2020	1.3	Dgeng1: Add CD764 related information
Mar-15,2020	1.4	Dgeng1: Update SW delivery process screenshot, update vehicle builds milestones
Mar-23,2020	1.5	Dgeng1: Update CCPU version name part
Apr-8,2020	1.6	Rcao6: Add JIRA workflow
Apr-11,2020	1.7	JXU128: Modify JIRA workflow/ Issue type/Priority/Label
Jun-30,2020	1.8	Dgeng1: Update CCPU version name part
Jul-01,2021	1.9	Dgeng1: Add more vehicle program (S650, CDX706…)
Jul-15,2021	2.0	Dgeng1: Modify vehicle program (S650, CDX706…)
Dec-03,2021	2.1	Dgeng1: Add more labels in **4.3 label definition**
Apr-01,2022	2.2	Dgeng1: Add MY23 P702 SW variant name defination
May-18,2022	2.3	Dgeng1: Add Program info, update JIRA process
June-09,2022	2.4	Dgeng1: Add U625 Timberline SW variant version name
July-28,2022	2.5	Dgeng1: Add APIMCIS_Wave2 JIRA instructions
Aug-1, 2022	2.6	Dgeng1: Add CX727 PT ICA (8155) Version Name
Aug-2, 2022	2.7	Hshen24: Update CX727 PT ICA (8155) Version Name
Oct-23, 2023	2.8	HWANG269: Update CX727 B3 (8155) Version Name
Oct-23, 2023	2.8	CWU133: Update U725 Version Name

Table of Contents

1 Overview

1.1 Purpose

This document is intended to manage ICA2 programs' software delivery and quality, define related software name which will be displayed into customers.

1.2 Scope

This document serves as a guide for supplier team. It will define production software delivery, software sign-off process and standard, software validation process and software name definition.

1.3 Programs

Table 1 ICA2/Phase4 programs

Program	Software variant	Screen size	MCU CPU	RAM	ROM	FNVx	ECG	HMI theme
CD542H	**B1F27**	27"	High	6G	64G	FNV2	ECG 1	Ford
CD764	**EL27**	27"	High	8G	64G	FNV2	ECG 1	Lincoln
U625ICA	**B2F27**	27"	High	6G	64G	FNV2	ECG 1	Ford, same with CD542H
U625ICA timberline	**B2F27**	27"	High	6G->8G?	64G	FNV2	ECG 1	Ford, same with CD542H
CD706H	**FF27**	27"	High	8G	128G	FNV2	ECG 2	Ford, HMI re-theme
CX483MCA	**KL27**	27"	High	8G	64G->128G?	FNV2	ECG 2	Lincoln, same with CD764
CX483PT ICA	**KL27**	27"	High	8G	64G->128G?	FNV2	ECG 2	Lincoln, same with CX483
CD542H ICA	**F2F27**	27"	High	8G	64G->128G?	FNV2	ECG 2	Ford, branch from CD542H due to ECG
CD764ICA	**E2L27**	27"	High	8G	64G->128G?	FNV2	ECG 2	Lincoln, open
CX727	**CF15**	15.5"	Low	6G	64G	FNV2	ECG 1	E-mach
CD542L	**A1F13**	13.2"	Low	6G	64G	FNV2	ECG 1	Ford
P702	**A2F12**	12.3"	Low	6G	64G	FNV2	ECG 1	Ford
U554MCA	**DL13**	13.2"	Low	6G	64G	FNV2	ECG 1	Lincoln
CD706L	**GF13**	13.2"	Low	6G	64G	FNV2	ECG 2	Ford
CD542L ICA	**G2F13**	13.2"	Low	6G	64G	FNV2	ECG 2	Ford, brach from CD542H due to ECG
CX727 ICA	**JF15**	15.5"	Low	6G	64G	FNV2	ECG 2	E-mach
S650	**HF13**	13.2"	High	8G	64G	FNV2.1	ECG 2	Ford
P702 MY23	**A2F12**	12.3"	Low	6G	64G	FNV2	ECG 2	Ford
P702 MY24	**A2F12**	12.3"	Low	6G	64G	FNV3	ECG 2	Ford
U725	**MF12**	13.2"	Low	16G	256G	FNV2	ECG 2	Ford
CX727 ICA（8155）	**LF15**	15.5"	High	16G	256G	FNV2	ECG 2	E-mach
CX727 ICA B3（8155）	**NF15**	15.5"	High	16G	256G	FNV2	ECG 2	E-mach

2   Version Management

2.1   Part Number

2.1.1   VMCU

The software part number should be following the format XXXX-XXXXXX-AA-bBB, these part number can be read via Diagnostic/EOL/Bezel Diagnostic.

Table 2   ICA2 SW VMCU P/N

Byte Name	Description	Example
XXXX	Mode Year and Product line information.	CD542: MB6T U625C: N2AT CX727: MZ8T P702: ML3T U554: NL7T CD764: N2RT CDX706: P2ST CX483C: NJ7TT S650: PR3T
XXXXXX	Part Base Number	14H361
AA	First A means software Type： **Currently keep it always as "A"** Second A means version number Range: A~Z	AA/AB/AC…
bBB	**b** means Engineering Release Type: 0: Pre-release 1: Hot Fix 2: Demo **BB** means Engineering Release Version. Range:01~99 **For official release keep this parameter as 000**	Official Release: 000 Pre-release: 001 Hot Fix: 101 Demo: 201

Example:
An engineering pre-release for first official version, which contain a CD542 13.2'' display version:
MB6T-14H361**-AA_001**
An official release, which contain a U554 13.2'' display version:
NL7T-14H361**-AA_000**
A P702 Hot Fix which based on AA version:
ML3T-14H361**-AA_101**

2.1.2   CCPU

The software part number should be following the format XXXX-XXXXXX-AA-bBB, these part number can be read via Diagnostic/EOL/Bezel Diagnostic.

Table 3   ICA2 SW CCPU P/N

Byte Name	Description	Example
XXXX	Mode Year and Product line information.	CD542: MB6T U625C: N2AT CX727: MZ8T P702: ML3T U554: NL7T CD764: N2RT CDX706: P2ST CX483C: NJ7TT S650: PR3T
XXXXXX	Part Base Number	14H379

AA	First A means software Type： **A**: U554 13.2'' Lincoln **B**: 13.2'' & 12'' Ford **C**: CX727 15.5'' **D**: 27'' **E~Z**: Reserved Second A means version number Range: A~Z	AA/AB/AC…
bBB	**b** means Engineering Release Type: 0: Pre-release 1: Hot Fix 2: Demo **BB** means Engineering Release Version. Range:01~99 **For official release keep this parameter as 000**	Official Release: 000 Pre-release: 001 Hot Fix: 101 Demo: 201

Example:
An engineering pre-release for first official version, which contain a CD542 13.2'' display version:
MB6T-14H379-**B**A_001
An official release, which contain a U554 13.2'' display version:
NL7T-14H379-**A**A_000
A P702 Hot Fix which based on AA version:
ML3T-14H379-**B**A_101

2.2 Version Name

This version name will display on IVI setting menu and can be shown to customers. CCPU and VMCU version name should obey Ford requirement, and , these part number can be read via Diagnostic/EOL/Bezel Diagnostic.
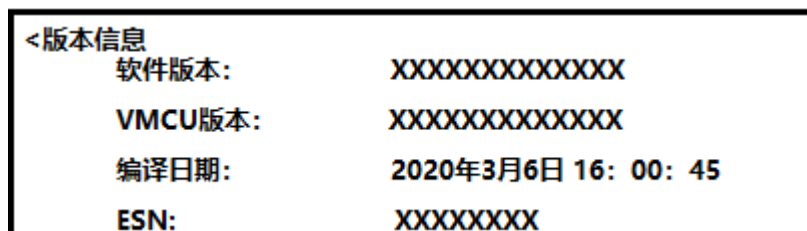
```
<版本信息
    软件版本:          XXXXXXXXXXXX
    VMCU版本:         XXXXXXXXXXXX
    编译日期:          2020年3月6日 16：00：45
    ESN:              XXXXXXXX
```

Figure 1 SW Version information

2.2.1 VMCU

Date_ Build Num_ PRO/ENG

2.2.2 CCPU

The software version should be easy to understand and include release date information.

Ford Requirement:

Date_ Build Num_ Variant+ F/L+ Size _ SWReleaseVersion**.**PRO/ENG_

XXXX

BF1
R00
R04

PRO: Production
ENG: Engineering

A: SW-A
B: SW-B
C: SW-C
D: SW-D
……
L: SW-L

F: Ford
L: Lincoln

12: 12 inch
13: 13.2 inch
15: 15.5 inch
27: 27 inch

Table 4 Phase4 SW Variant

	CD542		CX727	U725	P702	MY23 P702	U554MCA	U625ICA	CD764
display "	13.2	27	15.5	12	12	12	13.2	27	27
SW variant	SW-A	SW-B	SW-C	SW-M	SW-A	SW-A	SW-D	SW-B	SW-E
iACC	N	N	OPT	N	Y	Y	Y	OPT	OPT
eMMC	64G	64G	64G	256G	64G	64G	64G	64G	64G
SW variant-updated	SW-A1	SW-B1	SW-C1 SW-C2	SW-M	SW-A2	SW-A3	SW-D	SW-B2	SW-E

	CDX706		S650	CX727C PT ICA (820A)	CX483 MCA	CX483 PT ICA	CD542 ICA		CD764 ICA	U625 Timer line	CX727C PT ICA (8155)
display "	27	13.2	13.2	15.5	27	27	27	13.2	27	27	15.5
SW variant	SW-F	SW-G	SW-H	SW-J	SW-K		SW-F	SW-G	SW-K	SW-B	SW-L
iACC	N										
eMMC	64G	64G	64G	64G	64G		64G	64G	128G	64G	128G
SW variant-updated	SW-F1	SW-G1	SW-H	SW-J	SW-K1	SW-K2	SW-F2	SW-G2	SW-K3	SW-B3	SW-L

	CX727C ICA B3 (8155)
display "	15.5
SW variant	SW-N
iACC	
eMMC	128G
SW variant-updated	SW-N

Name such as "BF1", "BF3", "R00" please refer to SW release plan.

Examples:

> **12''&13.2'' Ford BF1 SW version:**
>> **20200313_0001_AF12_BF1.ENG**
>
> **27'' Ford R00 SW version:**
>> **20210104_0016_BF27 _R00.PRO**
>
> **13.2'' Lincoln R04 SW version:**
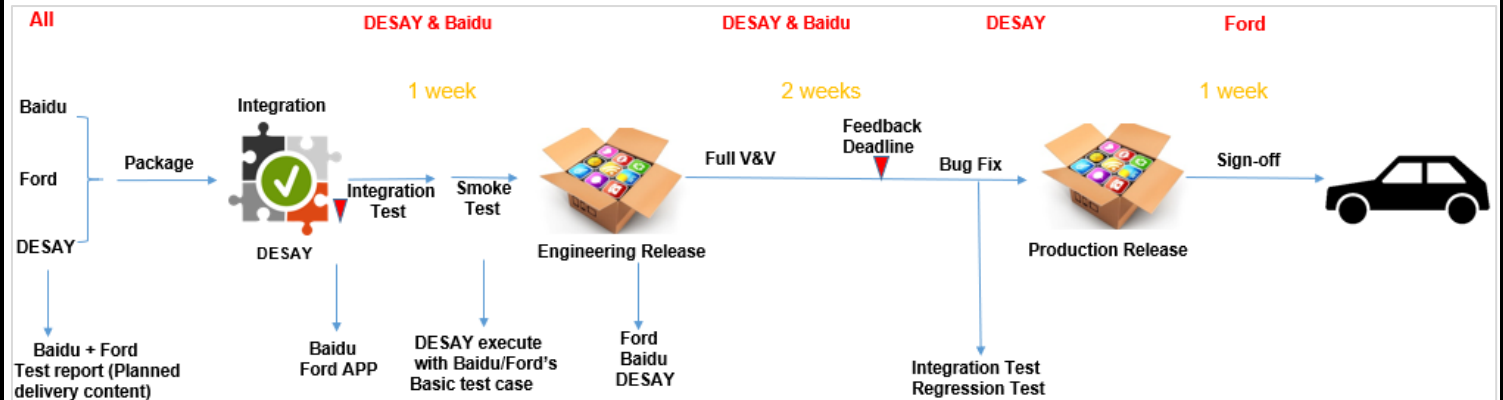>> **20210202_0034_DL13 _R04.PRO**

3 Software Delivery

Figure 2 SW Release Process

3.1 Engineering Software

3.1.1 Delivery

Supplier who responsible for software integration should provide below delivery to Ford on time.

- Integration test report
- Smoke test report
- Release Note (new feature, bug fix, development process…)

3.1.2 Validation

As Figure1 shown, after eligible Engineering software release, it should be validated in two weeks by suppliers and Ford. Suppliers should do full test per full test cases and Ford will do the bench/vehicle level random test.
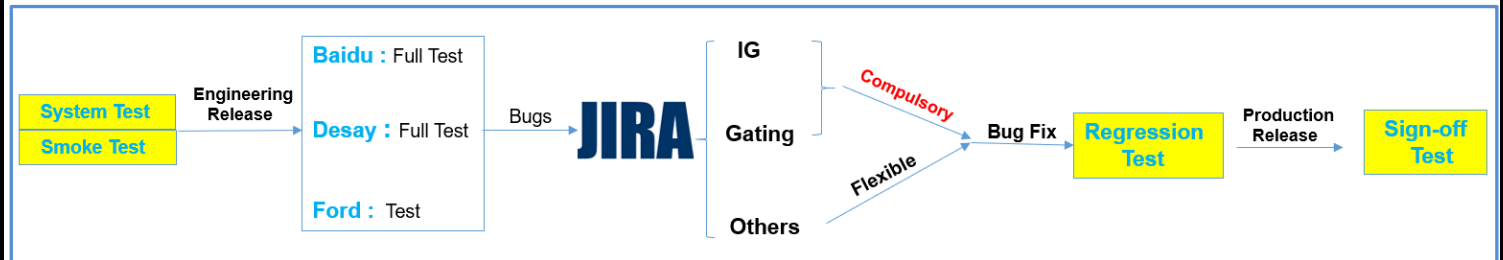

Figure 3 SW validation process

3.2 Production Release

3.2.1 Delivery

Each Production software release should contain below deliveries, SWAD related documents can turn to **Jian, Ashley< yjian@ford.com >** for consultation. Other documents can turn to **Geng, Dekang<dgeng1@ford.com>** for consultation.

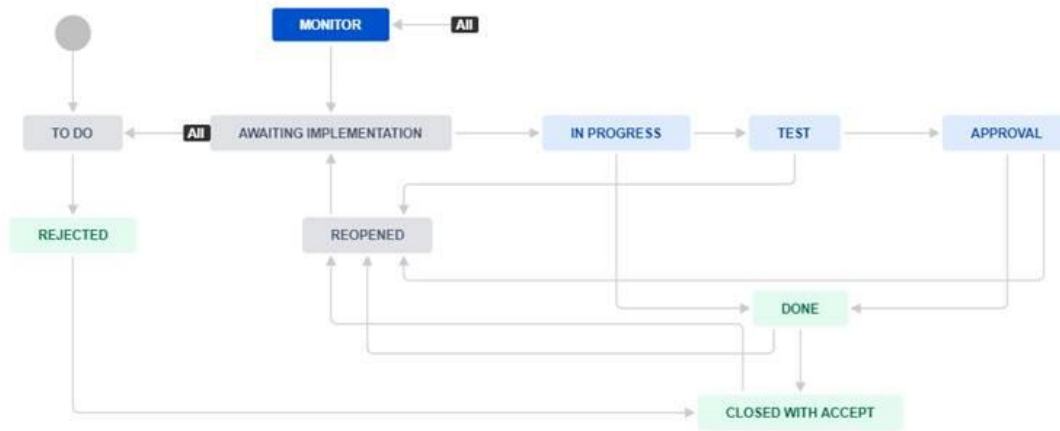| Item	Format	Location	Comments	Baidu	DESAY
SW Package (CCPU)	/	TBD			Y
SW package (VMCU)	VBF	IVS	Upload from TT Milestone		Y
SWAD	Excel	FOC SW SharePoint	Template		Y
Release Note	Word/Excel	FOC SW SharePoint	Template	Y	Y
Test Report(Full)	Word/Excel	FOC SW SharePoint		Y	Y
HMI Validation report	Excel	E-mail/one drive	1. HMI representativeness in SW 2. Unrepresentative HMI screens fix plan 3. Start from BF3	Y	Y
DID Report	txt	FOC SW SharePoint	Ford tool		Y
Part II	Word/MDX	FOC SW SharePoint			Y
Smoke test report	Word/Excel				Y
Integration report	Word/Excel			Y	Y

3.2.2 Sign-Off

After Production software release, Ford will spend 2-3 days to do the sign-off. If the software meets the following requirement, it will be approved to be released and installed in vehicles. (Ford can define whether can accept the deviation):

- Refer to release note （测试 fixed issue）
- Refer to Ford sign-off test result
- Fulfill prototype requirement of each milestone
- No IG issues
- No Gating issues(deviation)
- TBD
- TBD

4 Bug Management (Wave 1)

4.1 JIRA Workflow

The following diagram show the issue solved workflow in JIRA system.

Figure 4 JIRA workflow

Table 5 JIRA Bug Fix Procedure R&R

Condition	Status Flow	Action	Mandatory fields	R&R
1.Before creating issues in JIRA 2.Bug template(excel)	-> TODO	pre-CCB meeting shall be organized with suppliers, FOs.	-Found version, product owner, -Assignee: Supplier QA	Ford
1.Fix Version Filled 2.Assignee Filled	TO DO/ REOPENED -> AWAITING IMPLEMENTATION	Supplier analysis and held internal discussion	-component, impact, planned fix efforts, review efforts, planned fix plan - assignee changed from supplier QA to supplier RD	Supplier
1.Fix Version Filled as WNBF 2.Assign to reporter 3.Add Reject reason in Root Cause	TO DO -> REJECTED			Ford
N.A.	AWAITING IMPLEMENTATION-> IN PROGRESS	CCB meeting held to review the fix plan, impact	root cause, impact, aligned fix plan -Assignee to supplier RD	Supplier
1.Root Cause Filled 2.Fix Version Filled	IN PROGRESS -> TEST	Supplier fixed issue, transfer to internal QA	-fixed version -assignee changed from supplier RD to supplier QA	Supplier

1.Supplier Test passed 2.Fix Version correct	TEST-> APPROVAL	Supplier QA conduct internal test	-Test report - assignee changed from supplier QA to Ford FO	Supplier
1.Ford Validation passed 2.Change resolution to 'Resolved'	APPROVAL-> DONE	FO validate issue and close	- Assignee changed from Ford FO to issue reporter	Ford
1.AIMS closed	DONE-> CLOSED WITHACCEPT			Ford
1.Supplier Test Failed	TEST-> REOPEN			Supplier
1.Ford Validation Failed	APPROVAL-> REOPEN			Ford
1.Closed issue find in new version	DONE-> REOPEN			Ford
1.Not issue but there are change/improvement	-> AWAITING IMPLEMENTATION	Status keep in "awaiting implementation", held on till DCR approved.	- Assignee to be changed to PM.	Ford

Table 6 JIRA status

Status	Action In Current Status
To Do	-Check whether this is an issue -Check whether this is a known issue -Define the responsible supplier -Define the initial fix plan
REOPENED	Same as TO DO
AWAITING IMPLEMENTATION	This is a temporary pool. Ticks in this status must have Assignee & Fix Version.
IN PROGRESS	-Analysis Root Cause -Code Implementation
TEST	-Supplier test team do Integration Test/Function Test/Pressure
APPROVAL	-Supplier QA validate whether this issue has been fixed
DONE	- Ford Product Owner validate whether this issue has been fixed
CLOSED WITH ACCEPT	- Ford Launch Engineer need transmit to CLOSED WITH ACCEPT when this AIMS closed.
REJECTED	--Fix Version Filled as WNBF -Assign to reporter -Add Reject reason in Root Cause

4.2   Issue Type Definition

Table 5 JIRA issue type definition

Issue Type	Definition

Story	The feature in master feature list should use this type.
New Feature	The new feature should use this type.
Improvement	For the already had feature which need do the improvement should use this type
Bug	For all software bugs which need be analyzed or fixed should use this type.
Task	For all open issue or action item should use this type.
Sub-task SUB-TASK	For all above issue type that need break down the tasks should use this Sub-Task type. But need add label for different type: - **Phase4_Feature** (Story, New Feature, Improvement) - **Phase4_Bug** (Bug) - **Phase4_Task** (Task)

4.3 Label Definition

In JIRA system, all issues will have one or more labels, and program will use these labels to generate different filters for different usages (exp. Generate KANBAN, Status Report or Diagram).

The following table will show you all standard labels in ICA2/Phase4 program:

Table 6 JIRA label definition

Label Name	Issue with this label means	Comments
Project Schedule Related		
APIM_CIS	This issue is for Phase4	Mandatory for Issue type Feature \Improvement\New Feature and Bug
Vehicle Type Related		
U554	This issue is for vehicle type U554	Mandatory (These types will be used to filter issues)
U554MCA	This issue is for vehicle type U554	
CD542_L	This issue is for vehicle type CD542 13.2 inch	
CD542L	This issue is for vehicle type CD542 13.2 inch	
CD542_H	This issue is for vehicle type CD542 27 inch	
CD542H	This issue is for vehicle type CD542 27 inch	
U725	This issue is for vehicle type U725	
U625ICA	This issue is for vehicle type U625ICA	
CX727	This issue is for vehicle type CX727	
P702	This issue is for vehicle type P702	
CD764	This issue is for vehicle type CD764	
CDX706H	This issue is for vehicle type CDX706H 27 inch	
CDX706L	This issue is for vehicle type CDX706L 13.2 inch	
S650	This issue is for vehicle type S650	
CX727ICA	This issue is for vehicle type CX727ICA	
CX483MCA	This issue is for vehicle type CX483MCA	
CD542ICA	This issue is for vehicle type CD542ICA	
HMI	HMI bug	
Kanban Related		
Phase4_WarRoom	This issue is a Phase4 feature not finished in time, need focus on and daily check.	Optional (All issue with this label will be in APIM_CIS_Warroom Kanban)
Phase4_WeeklyMeeting	This issue is an Action Item in weekly meeting	
Sub-Task Related		
Phase4_Feature	This sub-task is for feature implementation	Mandatory
Phase4_Bug	This sub-task is for Bug fixing	Mandatory
Phase4_Task	This sub-task is for Task management	Mandatory
Bug Trace Related		
Phase4_SupplierTst	Suppliers Test Bug	Mandatory for all Bug Issues
Phase4_IVITst	IVI SW Test Bug	
Phase4_CVPPTst	CVPP Validation team Test Bug	
Phase4_VEVTst	Software Fleet Test Bug	
Phase4_LaunchTst	Launch team Test Bug	
Phase4_SIFI	System Integration Test Bug	
Phase4_CyberSecurity	The Cyber Security Related Issues	
Phase4_DV	DV test issues.	

Plant Build Related		
HB	This issue is found in HB build	Optional
VP	This issue is found in VP build	Optional
EPT	This issue is found in EPT build	Optional
TT	This issue is found in TT build	Optional
PP	This issue is found in PP build	Optional
MP1	This issue is found in MP1 build	Optional

4.4 Bug priority definition

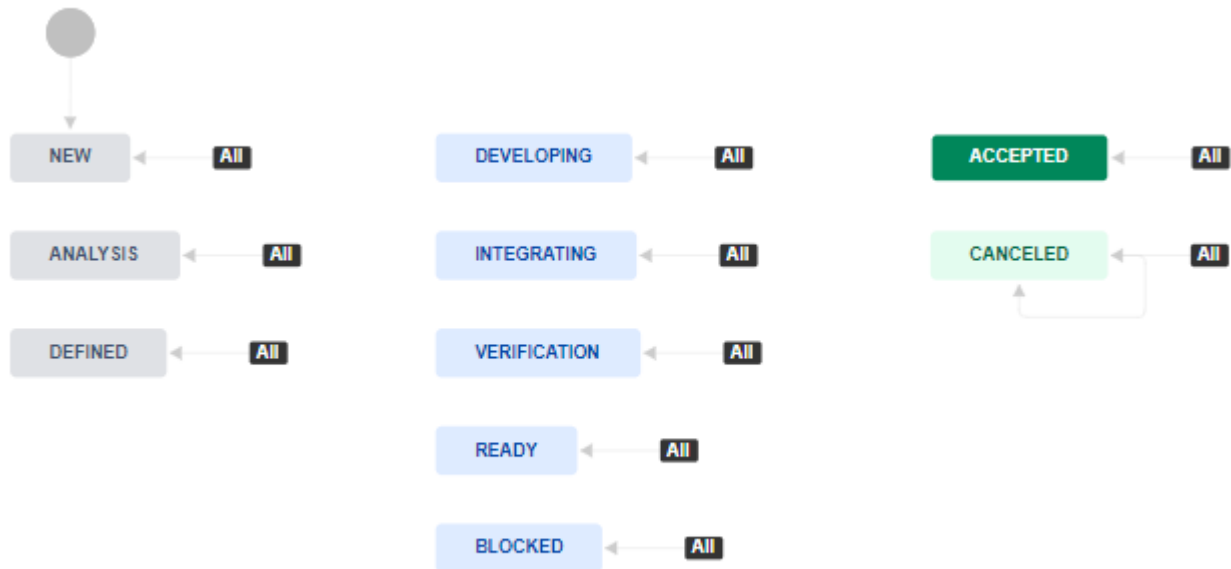| Priority	Description	Example
Immediate Gating	System Satiability issue like	- IVI whole screen black. - IVI system reset automatically
	System Performance issue	-Screen cannot touch and cannot recover until reset -Shift to gear R, black screen display.
	Function Loss impact Test/Launch	-Radio not working, impact Reception Test -EOL function loss, impact production launch
Gating	Main Function Loss/Incorrect	-Climate Control cannot working -No Seatbelt Chime can be hear from speaker
	High Frequency using Minor Function Loss/Incorrect	-BT phone cannot be disconnected from IVI -Shift among all the media source can't memory last song
High	Minor Function Loss/Incorrect	-Can't order cinema ticket via VR
	HMI design impact user experience	-Back button too small
Medium	HMI need improve	-
	Function logic not friendly need improve	-Rear Climate Icon cannot press, only can use progress bar.
Low	Other issue	

5 Bug Management (Wave 2)

5.1 JIRA Workflow

The following diagram show the issue solved workflow in JIRA system.

Wave2:

Status	AIMS Status	Action In Current Status	Responsible
NEW	New	- Check whether this is an issue, if yes, are all the mandatory fields available? If not, go to "Cancelled". - Check whether this is a known issue, if yes, change the security level to "Pant". If not, create issue, and go to "Analysis"	Ford CAF PD - lead Ford REC SW lead – support
ANALYSIS	Open	- Define the responsible module Team(IVI,CVPP,HMI or other parts issue), define the supplier, define the **analysis due date**; - Supplier analysis issue - Monitor overdue issue – (create dashboard for tracking)	Ford REC SW lead – lead Ford CAF PD – support
DEFINED	Pending	- Fix responsible, version, root cause filled - MUST - Hand over to developing team	Ford REC SW lead – lead
DEVELOPING	N.A	-Code Implementation	Supplier (Developer)
INTEGRATING	N.A	-Integration & Orchestration	Supplier (Integrator)
VERIFICATION	N.A	-Supplier test team do Integration Test/Function Test/Pressure	Supplier (QA, Tester)
READY	N.A	- For QA&FO validate whether this issue has been fixed (Create validation dashboard)	Ford REC QA&FO Ford CAF PD

BLOCKED	N.A	-Progress blocked by block item (1. Waiting for the settlement of block item to continue. Add block item in comment. 2.Waiting for the Ford 's approval for CANCELED request. Add cancel reason in Root Cause)	Issue responsible in each state
ACCEPTED	Close	This is the final Status, validated as pass.	Ford REC QA&FO Ford CAF PD
CANCELED	Rejected	-For issue is not bug/will not fix/not IVI issue/duplicate issue/… -Fix Version Filled as WNBF -Assign to reporter -Check the reason in Root Cause	Ford REC SW lead

5.2   Issue Type Definition

Wave2:

Issue Type	Definition
Story	The feature in master feature list should use this type.
Bug	For all software bugs which need be analyzed or fixed should use this type.
Task	For all open issue or action item should use this type.
Sub-task SUB-TASK	For all above issue type that need break down the tasks should use this Sub-Task type. But need add label for different type: - **DuerOS_Feature** (Story,New Feauter,Improvement) - **DuerOS_Bug** (Bug) - **DuerOS_Task** (Task)
Defect	A problem which impairs or prevents the functions of the product.
Enabler	Supports the activities needed to extend the Architectural Runway to provide future business functionality, including exploration, architecture, infrastructure, and compliance.
Epic	Created by Jira Software - do not edit or delete. Issue type for a big user story that needs to be broken down.
Spike	Research, design, investigation, exploration, or prototyping to gain the knowledge necessary to reduce the risk of a technical approach, better understand a requirement, or increase the reliability of a story estimate.

APIMCIS:

Issue Type	Definition
Story	The feature in master feature list should use this type.
New Feature	The new feature should use this type.
Improvement	For the already had feature which need do the improvement should use this type
Bug	For all software bugs which need be analyzed or fixed should use this type.
Task	For all open issue or action item should use this type.
Sub-task SUB-TASK	For all above issue type that need break down the tasks should use this Sub-Task type. But need add label for different type: - **DuerOS_Feature** (Story,New Feauter,Improvement) - **DuerOS_Bug** (Bug) - **DuerOS_Task** (Task)

5.3 Label Definition

In JIRA system, all issues will have one or more labels, and program will use these labels to generate different filters for different usages (exp. Generate KANBAN, Status Report or Diagram).

The following table will show you all standard labels in DuerOS program:

Wave2:

Label Name	Issue with this label means	Comments
Project Schedule Related		
APIMCIS_WAVE2	This issue is for Phase4 wave2	<mark>Mandatory</mark> for Issue type Feature \Improvement\New Feature and Bug
Vehicle Type Related		
U625ICA	This issue is for vehicle type U625ICA	<mark>Mandatory</mark> (These types will be used to filter issues)
CDX706H	This issue is for vehicle type CDX706H 27 inch	
CDX706L	This issue is for vehicle type CDX706L 13.2 inch	
S650	This issue is for vehicle type S650	
CX727ICA	This issue is for vehicle type CX727ICA	
CX483MCA	This issue is for vehicle type CX483MCA	
CD542ICA	This issue is for vehicle type CD542ICA	
CD764ICA	This issue is for vehicle type CD764ICA	
MY23 P702	This issue is for vehicle type MY23 P702	
MY24 P702	This issue is for vehicle type MY24 P702	
U725	This issue is for vehicle type U725	
HMI	HMI bug	
Bug Trace Related		
Phase4_SupplierTst	Suppliers Test Bug	
Phase4_IVITst	IVI SW Test Bug	
Phase4_CVPPTst	CVPP Validation team Test Bug	<mark>Mandatory for all Bug Issues</mark>
Phase4_VEVTst	Software Fleet Test Bug	
Phase4_LaunchTst	Launch team Test Bug	
Phase4_SIFI	System Integration Test Bug	
Phase4_CyberSecurity	The Cyber Security Related Issues	
<mark>**Phase4_DV**</mark>	<mark>DV test issues.</mark>	<mark></mark>
Plant Build Related		
HB	This issue is found in HB build	Optional
VP	This issue is found in VP build	Optional
EPT	This issue is found in EPT build	Optional
TT	This issue is found in TT build	Optional
PP	This issue is found in PP build	Optional
MP1	This issue is found in MP1 build	Optional

5.4 Bug priority definition

Priority	Description	Example
Immediate Gating	System Satiability issue like	- IVI whole screen black. - IVI system reset automatically
	System Performance issue	-Screen cannot touch and cannot recover until reset -Shift to gear R, black screen display.
	Function Loss impact Test/Launch	-Radio not working, impact Reception Test -EOL function loss, impact production launch
Gating	Main Function Loss/Incorrect	-Climate Control cannot working -No Seatbelt Chime can be hear from speaker
	High Frequency using Minor Function Loss/Incorrect	-BT phone cannot be disconnected from IVI -Shift among all the media source can't memory last song
High	Minor Function Loss/Incorrect	-Can't order cinema ticket via VR
	HMI design impact user experience	-Back button too small
Medium	HMI need improve	-
	Function logic not friendly need improve	-Rear Climate Icon cannot press, only can use progress bar.
Low	Other issue	

6 Bug Clarification Process

6.1 对手件问题

Step1: 贴分析依据   --- Supplier

Step2: 加 label "对手件问题" + "Ford"   --- Supplier

Step3: Assignee -> Vehicle Lead   --- Supplier

Step4: 根据分析依据把问题状态改为 reject / reopen   --- Ford

6.2 申请 Monitor

Step1: 附上压测报告（常规：台架 200 实车 100）   --- Supplier

Step2: 加 label "申请 monitor" + "Ford"   --- Supplier

Step3: Assignee -> Vehicle Lead   --- Supplier

Step4: 改为 Monitor + 观察三个正式版本后 done   --- Ford

6.3 notbug

Step1: 附上 spec 截图或者分析依据 + FO 的确认邮件 +Comments 里@FO   --- Supplier

Step2: 加 label "notbug" + "Ford"   --- Supplier

Step3: Assignee -> Vehicle Lead   --- Supplier

Step4: assign 给对应的 FO   --- Ford

Step5: 根据确认结果 done/reopen   --- Ford

6.4 环境问题

Step1: 按照正确环境安排复测，并贴上复测步骤+结果   --- Supplier

Step2: Vehicle Lead 根据结果 reject/reopen 问题   --- Vehicle Lead

6.5 WNBF (won't be fixed)

Step1: 提供问题无法修复的原因+ Label "WNBF"   --- Supplier

Step2: assign 给对应的 VL   --- Supplier

Step3: FO/VL 需要根据问题严重度上会申请 deviation   --- Ford

Step4: 根据结果填写 fix version 为 WNBF,或者 reopen 问题   --- Ford