**Software Management**

**CDC (Phase 5)**

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Note** | **Author** |
| 5/2/2021 | V1.0 | Initial Version | XHUANG93 |
| 5/11/2021 | V1.0 | Add MCU Software Version and package name format | XHUANG93 |
|  |  |  |  |

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# 1.SW Version

## 1.1 SOC SW Version

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

Ford Requirement:

DateBulidNum\_F/L+Variant\_SWReleaseVersion\_ENG/PRO

XXXX

A: SW-A

B: SW-B

C: SW-C

D: SW-D

E: SW-E

DCV beta

DCV 0

…

R00

R04

…

ENGxx: Engineering

PROxx: Production Pre release（Only for CVPP test）

PRO: Official Production release to CAF

HOTxx: Hot Fix for critical issue

F: Ford

L: Lincoln

1. DateBuildNum: YYYYMMDD (max 8 char)
2. Variant (1 char)

Preconditions:

1) Licenses is not considered as SW variant for now（默认软件系统集成所有功能，通过配置打开或关闭对应功能）

2) 默认同品牌同样的屏幕尺寸配置，HMI的UI没有太大的变化

3) SOC, RAM, ROM的配置全系一致

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SW Variant** | **Program** | | | | **Display ports** | | | | **Audio Amp** | |
| **Pickpack** | **Program code** | **Brand** | **Vehicle Line** | **Feature Code** | **Driver display  (941 no touch)** | **Console  (941 touch)** | **HUD (941)** | **Passenger display (983 touch)** | **Internal Amp** | **A2B Amplifier** |
|
| LA | CDX707 | Lincoln | 102A/103A/104A | IEVAY & ICEF8/ICEHF | 23.6"  (3840\*720) | 11.1" (2348\*1080) | N/A | 23.6"  (3840\*720) | 5ch | AD2428-M |
| LA | CDX707 | Lincoln | 100A/101A | IEVAY & ICEHS | 23.6"  (3840\*720) | 11.1" (2348\*1080) | N/A | 23.6"  (3840\*720) | 5ch | N/A |
| FA | CX788 | Ford | Trend, 1.5 FHEV ST-LINE high, Titanium | J3KAX J3KAH | N/A | N/A | **"TBC  (960 x 430)"** | 15.3"  (2800\*1080) | 5ch | AD2428-M |
| FA | CX788 | Ford | Ambiente, 1.5 FHEV Sport, 1.5 FHEV ST-LINE low | J3KAA | N/A | N/A | **"TBC  (960 x 430)"** | 15.3"  (2800\*1080) | 4ch | N/A |
| LA | CDX747 | Lincoln | 100A/101A | IEVAY & HLVAA | 23.6"  (3840\*720) | 11.1" (2348\*1080) | N/A | 23.6"  (3840\*720) | 5ch | AD2433-S |
| LB | CDX747 | Lincoln | 101A选装/102A | IEVAY& HLVAC | 23.6"  (3840\*720) | 11.1" (2348\*1080) | N/A | 23.6"  (3840\*720) | 5ch | AD2433-S |
| LC | U611MCA | Lincoln | 102A-104A | IEVAT & ICEFJ B5WBN | 12.3" (1920\*720) | N/A | **Yes (101A-102A选配)** | 27" (4032\*756) | 5ch | AD2433-S |
| FB | U625MCA | Ford | 102A-103A | IEVAT & J3KAH | 12.3" (1920\*720) | N/A | **Yes-103A** | 27" (4032\*756) | 5ch | AD2433-S |
| LB | U718 | Lincoln | 103A/104A选装 | IEVAY+HKCAB+IBVAA | 23.6"  (3840\*720) | 11.1" (2348\*1080) | N/A | 23.6"  (3840\*720) | 5ch | AD2433-S |
| LB | U718 | Lincoln | 104A ULTRA | IEVAY+HKCAT+IBVAD | 23.6"  (3840\*720) | 11.1" (2348\*1080) | N/A | 23.6"  (3840\*720) | 5ch | AD2433-S |
| LC | U611MCA | Lincoln | 100A-101A | IEVAT & ICEGS & B5WAT | 12.3" (1920\*720) | N/A | N/A | 27" (4032\*756) | 5ch | AD2433-M |
| FB | U625MCA | Ford | 100A-101A | IEVAT & J3KAR | 12.3" (1920\*720) | N/A | N/A | 27" (4032\*756) | 5ch | N/A |

For details, refer to “SW-Variant”

1. SWReleaseVersion (max 9 char): based on GPDS. Refer to “Phase5 SW Release Milestone” for details. The SWreleaseVersion is for Supplier to SW update

|  |  |  |  |
| --- | --- | --- | --- |
| R-Event | Software Maturity | Corresponding Milestone | Build Support |
| TPB | Fully verified on component level | TPV BB MRD-1 week | Support TPV BB and TPV T&C MRD |
| TP3 | Updates Release | TDC-2weeks | Support TDC |
| DCV beta | System test on engineering prototype | eBB MRD | Support FDJ |
| DCV0 | Fully verified on component level | DCV BB MRD- 4 weeks | Support <DCV BB>MRD and HiL MRD |
| DCV1 | Update Release | T/C MRD – 4 weeks | Support<T/C> MRD |
| DCV2 | Update Release | DCV – 2 weeks | Breadboard update, DCV Vehicles update |
| DCV3 | Update Release | DCV+ 4 weeks | Breadboard update, DCV Vehicles update |
| R00 | Feature DV complete | PEC – 6 weeks | DCV vehicles update for PEC Sign-off |
| R04 | Feature DV signed off | FEC – 6 weeks | DCV vehicles update for FEC Sign-off |
| R05 | Fully Validated Release | TT MRD – 4 weeks | Support<TT> MRD |
| R06 | Fully Validated Release | PP MRD—4 weeks | Support<PP>MRD |
| R07 | Fully Validated Release | MP1/J1 MRD—4 weeks | Support<MP1>MRD |

1. ENGxx (max 5 char): Release to REC, if REC find error, the “ENG” needs to be upgraded.
2. PROxx (max 5 char): Release to CF
3. HOTxx (max 5 char): If CF find critical issue, the SW version need to be defined as HOTxx

Example

20210408\_FA\_DCV0\_ENG

20210410\_FA\_DCV0.15\_ENG01

20220629\_LB\_R05.01\_PRO

20220720\_LB\_R06.05\_HOT01

## 1.2MCU SW Version

MCU\_DateBulidNum\_F/L+Variant\_SWReleaseVersion\_ENG/PRO

# 2. 软件包命名格式：

## 2.1 SOC SW Package

DateBulidNum\_F/L+Variant\_SWReleaseVersion\_ENG/PRO\_QNX/Android

Reserved Filed:

-Default status is Empty, means update the Whole SOC(QNX+Android)

-QNX (Only Update QNX system)

-Android (Only update Android system)

## 2.2 MCU SW Package

DateBulidNum\_F/L+Variant\_SWReleaseVersion\_ENG/PRO\_MCU