

This document is part of the AMM presentation material.

# Demonstration of HMI-Framework

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# Demo "Changing Policy DB"

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➤ Priority Feature for EE  
PolicyA "1 app for 1 screen"

→ "Changing Policy DB"

➤ Others Feature of HMI-Framework  
PolicyB "2 apps for 1 screen"  
Pop-up display

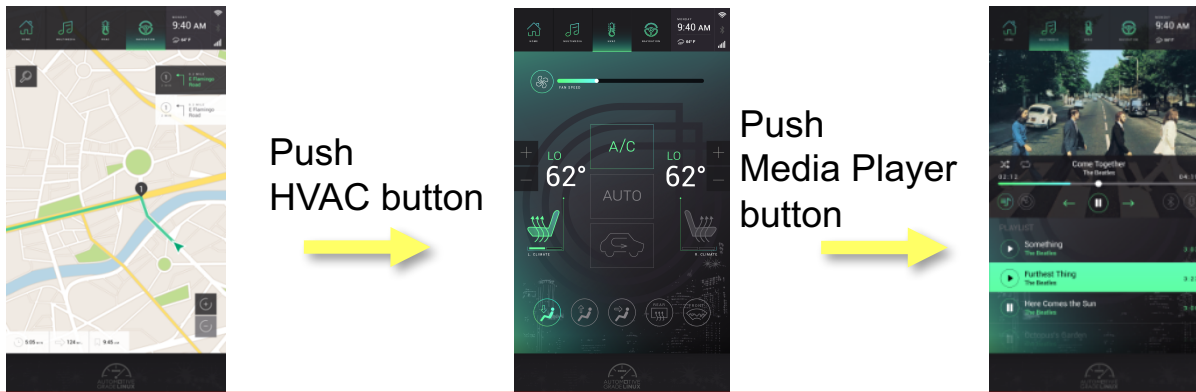
→ "Arbitration of WindowManager"  
→ "Arbitration of SoundManager"

# Demo "Changing Policy DB"

- Use case:  
Changes behavior according to Policy DB update.

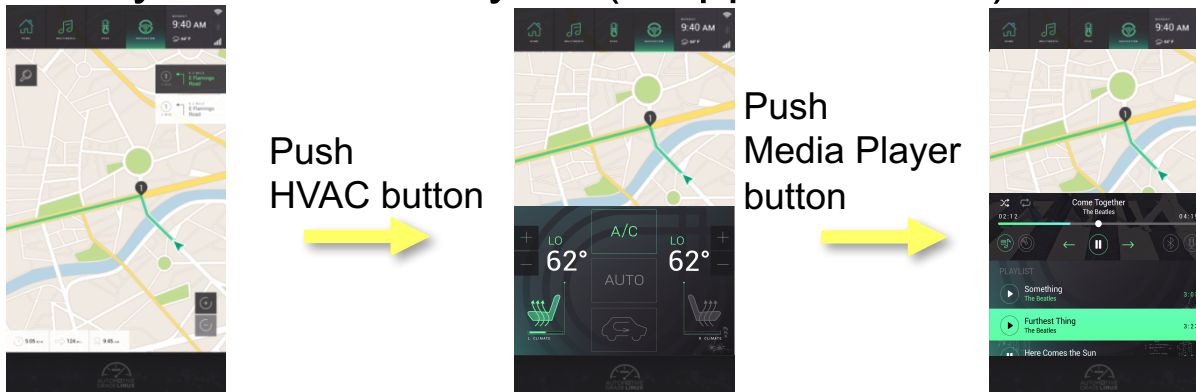
NEW

## Policy A : Screen layout (1 App: 1 screen)



Step1:  
screen changes  
according to Policy A.

## Policy B : Screen layout (2 App: 1 screen)



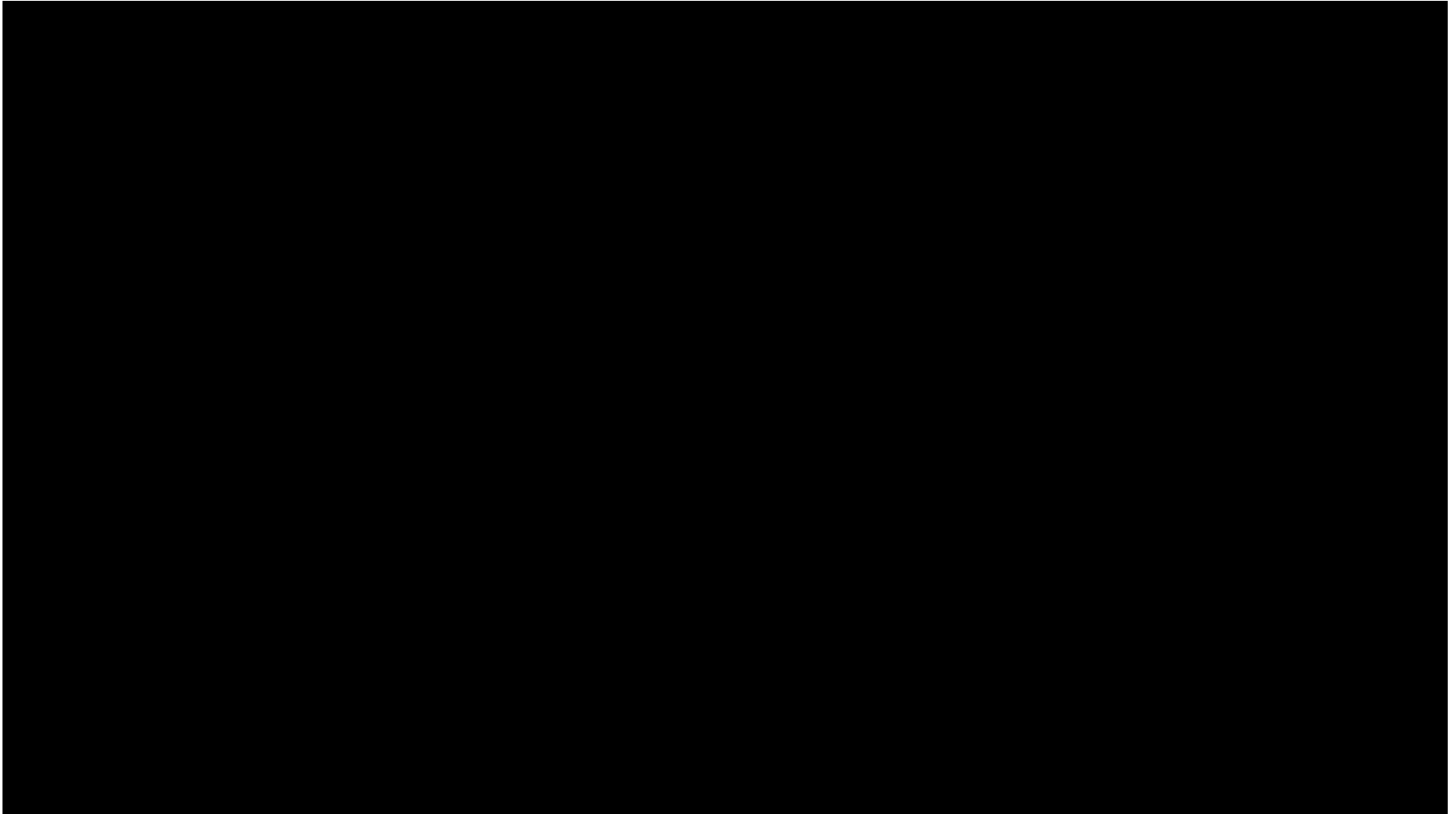
Step2:  
Changed from Policy A to Policy B.  
And restart the system.

Step3:  
screen changes  
according to Policy B.

※In this demonstration, "simple-egl" is used instead of "map" of native app.

# Demo “Changing Policy DB”

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# Demo “Arbitration of Window-Resources”

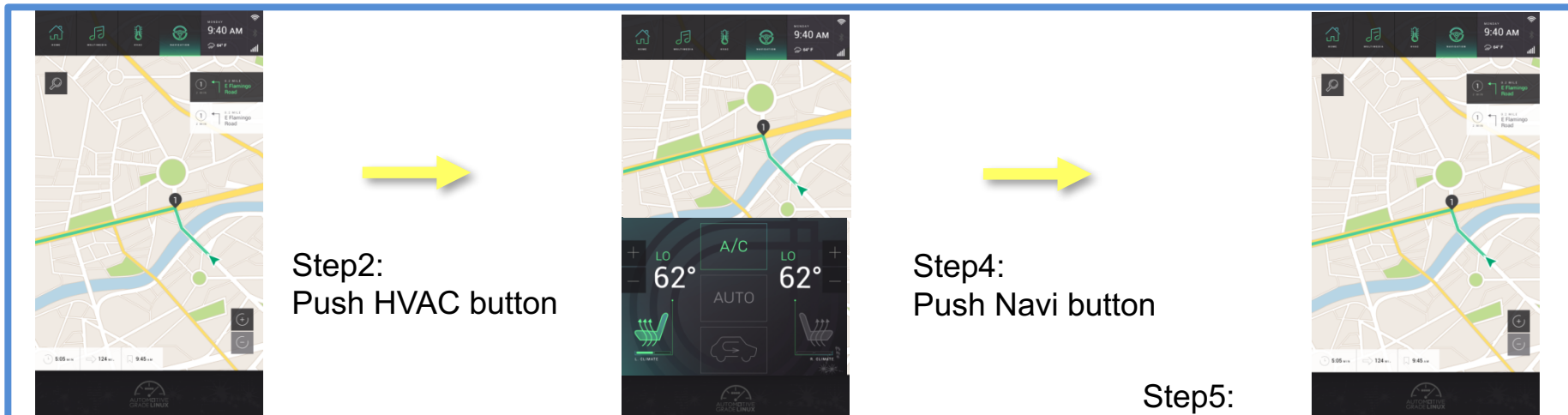
## ➤ Use case :

Both Map and HVAC are displayed by choosing HVAC App while Map is displayed during driving.

- Window Manager lays map in upper row and other App in lower row **NEW**
- As Apps display capability, Map and HVAC have Normal and Half size

Step1:  
Map is displayed on the screen.

Step3:  
Layout pattern is changed by the result that arbitrated Window-Resources. Then two apps are displayed.



Step2:  
Push HVAC button

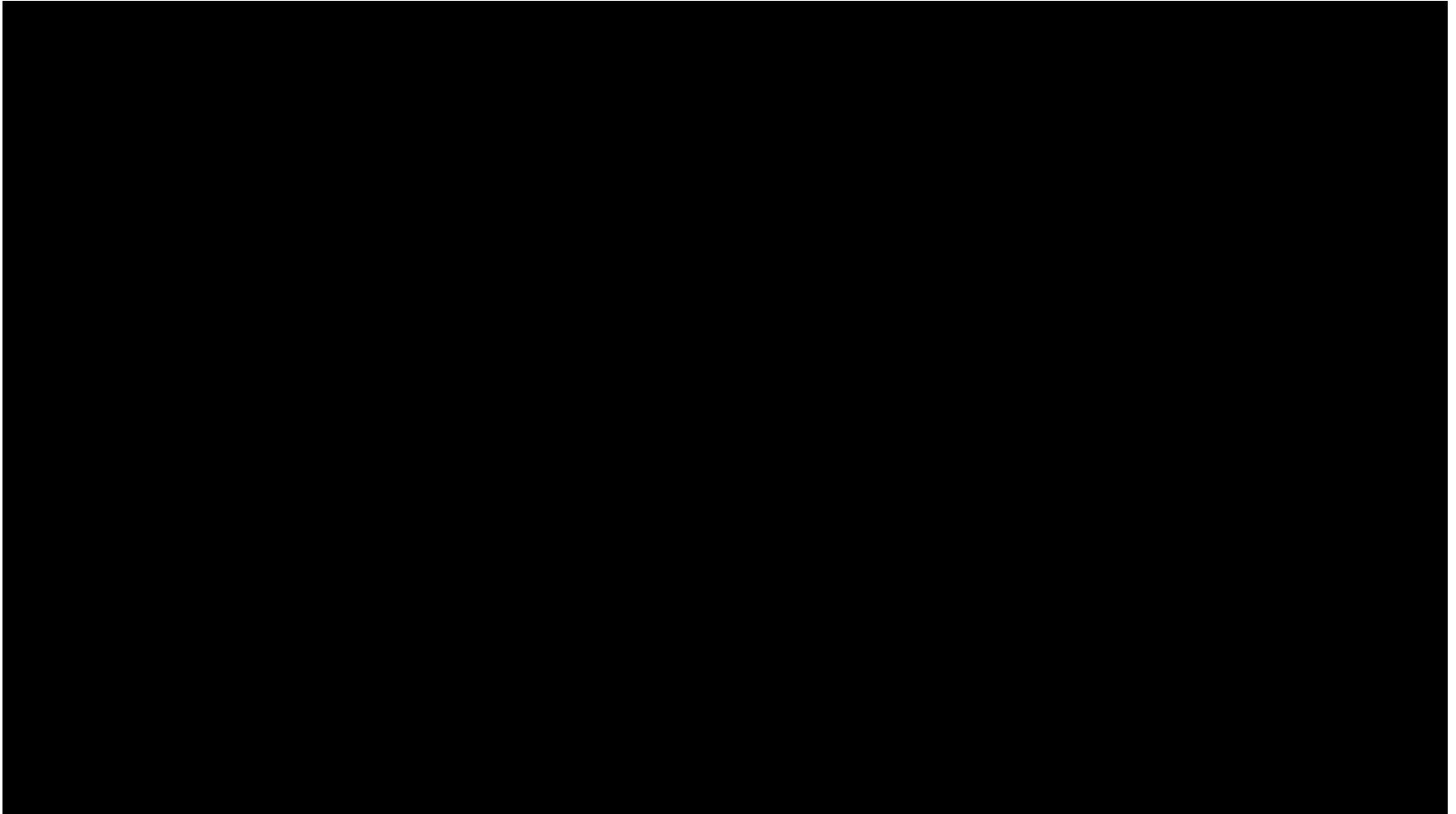
Step4:  
Push Navi button

Step5:  
Map is displayed in normal size.

※In this demonstration, “simple-egl” is used instead of “map” of native app.

# Demo “Arbitration of Window-Resources”

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# Demo “Arbitration of Sound-Resources”

## ➤ Use case :

1. When user chooses different audio source (Media Player) with current one (Radio), Radio stops or pauses and Media Player plays.
2. At phone-call incoming during outputting sound, ringtone is outputted by a specific speaker.

- Sound Manager holds previous state (Play, Stop) of App, then when App is called again, App returns in previous state

**NEW**

Step1:  
Sound of Radio  
is outputted

Step2:  
Push M.P.  
button

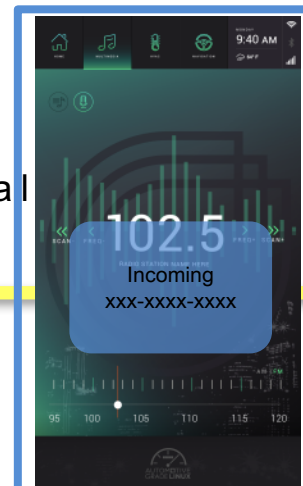
Step3:  
Sound of M.P.  
is outputted

Step5:  
Ringtone is outputted by a specific speaker  
by the result that arbitrated Sound-Resources

Step7:  
Sound of Radio  
is outputted again



Step4:  
Phone-call  
incoming

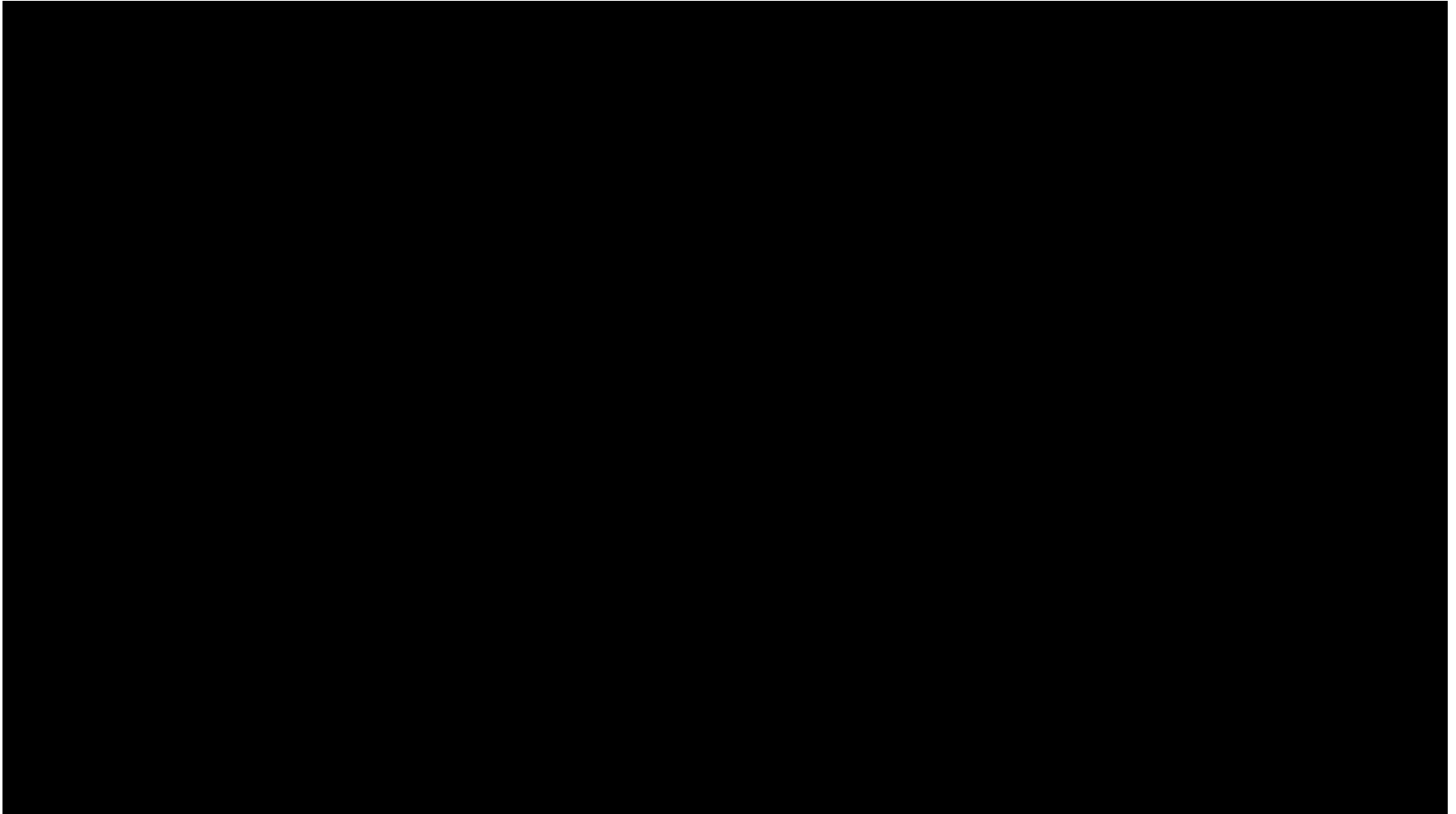


Step6:  
Ringtone  
stops



# Demo “Arbitration of Sound-Resources”

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# Structure of demonstration

- Built software for AGL 5.0RC1 on M3
- Demonstration's Apps are based on Apps of CES2017
- HMI-Framework supports AFB
- Choose Qt for Req.①
- Choose Audio Manager(Genivi) for Req.②, Window Manager is newly developed
- Window Policy DB is ZIPC format, Sound Policy DB is Genivi format for Req.③

