[FAQ13671]How to customize the boot animation, shutdown animation, boot ringtone and shutdown ringtone for non-operator project

[Description]
The scheme is for a non-operator project to customize the boot animation, shutdown animation, boot ringtone and shutdown ringtone
[Solution]
1. bootanimation
1.1 Make the bootanimation.zip. The method is as follows:
Firstly, Create two folders, named "part0" and "part1", and create the "desc.txt" file. "part0" folder stores the pictures which are played in the first stage and "part1" folder stores the pictures which are played in the second stage. Please make sure that the image format of the pictures is PNG format.
Playback controls is by "desc.txt", for example:
320 480 30
p 1 0 part0
p 0 0 part1

Each parameter function is as follows: (note: desc.txt text content must be separated with a single space, and should not have extra blank lines.)

320	480	30	
width	height	frame rate	
p	1	0	part0
identifier	cycle-index	time interval betweenparts	folder
p	0	0	part1
identifier	cycle-loop	time interval betweenparts	folder

Finally, the three components are compressed into bootanimation.zip file by compression tool.

1.2 Preset bootanimation.zip as follows:
Place the bootanimation.zip file on project resources directory, such as

frameworks\base\data\sounds. Then modify Android.mk file:
$(LOCAL_PATH)/bootanimation.zip:system/media/bootanimation.zip
And then build the project, the bootanimation.zip will be placed on system\media\

2. bootaudio
2.1 Rename bootaudio music file as bootaudio.mp3. Please make sure the music file is mp3 format.
2.2 Place the bootaudio.mp3 file on project resources directory, such as frameworks\base\data\sounds\newwavelabs. Then modify Android.mk file:
$(LOCAL_PATH)/newwavelabs/bootaudio.mp3:system/media/bootaudio.mp3
Then build the project again.
3. shutanimation
3.1 Add code on mediatek/config/${Project}/system.prop directory as follows:
ro.operator.optr=CUST
3.2 Make the shutanimation.zip file. The production method is similar to that of bootanimation.zip file. Place shutanimation.zip file on project resources directory, such as frameworks\base\data\sounds directory. Then modify Android.mk file :
$(LOCAL_PATH)/shutanimation.zip:system/media/shutanimation.zip
Then build the project again.

4. shutaudio
4.1 Add code on mediatek/config/${Project}/system.prop directory as follows:
ro.operator.optr=CUST
4.2 Rename shutaudio music file as shutaudio.mp3. Please make sure the music is mp3 format.
Place shutaudio.mp3 on project resources directory, such as frameworks\base\data\sounds\newwavelabs. Then modify Android.mk file :
$(LOCAL_PATH)/newwavelabs/shutaudio.mp3:system/media/shutaudio.mp3
Then build the project again.