[Description]:
How to configure JEITA Compensation?

[Platform]:
MSM8998, SDM845, SDM660, SDM670

[Solution]:

1, SBL:
the temperature threshold is : -30 + (THRESHOLD * 0.5) C
@boot_images\QcomPkg\{platform}\Settings\PMIC\pm_config_target.c
TRUE, //Enable/Disable JEITA Hard Temp Limit Check in SBL
.....
//To enable configuration, set EnableConfig = PM_ENABLE_CONFIG
pm_sbl_schg_jetta_threshold_config_type
sbl_schg_jetta_threshold[1] =
{
{
{0x3C, PM_ENABLE_CONFIG }, //JEITA Hard Cold Threshold: default = 0x3C //0C
{0x50, PM_ENABLE_CONFIG }, //JEITA Soft Cold Threshold: default = 0x50 //10C
{0x96, PM_ENABLE_CONFIG }, //JEITA Soft Hot Threshold: default = 0x96 //45C
{0xAA, PM_ENABLE_CONFIG } //JEITA hard Hot Threshold: default = 0xAA //55C
}
};

2,UEFI:
660: @boot_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig_VbattTh_Sdm660.cfg
8998: @boot_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig_VbattTh_8998.cfg
845: @boot_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig_VbattTh_SDM845.cfg
670: @boot_images\QcomPkg\SDM670Pkg\Settings\PMIC\core\QcomChargerConfig_VbattTh.cfg

# Configure limits for Battery Temperature (For negative values, use negative sign. Ex: -30)
JeitaCriticalTempLowLimit = -20
JeitaHardColdLimit = 0
JeitaSoftColdLimit = 10
JeitaSoftHotLimit = 45
JeitaHardHotLimit = 60
JeitaCriticalTempHighLimit = 70

#JEITA Charge Current Compensation when in battery temperature soft-limit
#JEITA CC = min is 0 ma and max is 1575 ma - stpe size is 25mA
JeitaCcCompCfg = 1000

#JEITA Float Voltage Compensation when in battery temperature soft-limit
#min is 0 and max .4725 V step size is 7.5 mV - unit is in mV
JeitaFvCompCfg = 105

#JEITA Float Voltage compensation during soft cold
JeitaSoftColdFvCompEnable = FALSE

#JEITA Float Voltage compensation during soft hot
JeitaSoftHotFvCompEnable = TRUE

#JEITA Charge Current compensation during soft cold
JeitaSoftColdCcCompEnable = TRUE

#JEITA Charge Current compensation during soft hot
JeitaSoftHotCcCompEnable = TRUE