Generic KBA for case creation template

Case description	Example
1.Configuration	Platform, SDM660 OLED Panel, 1080*2160 DDR, 4GB Dual Camera, 20MP+8MP, etc.
2. Device setting (Very important!)	1. Airplane mode/2G/3G/LTE/Call Box 2. WIFI/BT/NFC etc on/off status. 3. LCD backlight 4. sensor setting.
3.Test Steps (Very important! Please provide the details for all your steps)	1. Acquire a wakelock by "echo test > /sys/power/wakelock" 2. Make screen off 3. Measure the current and also check if system enters Vddmin low power mode.
4. Expected test result	The current should be less 10mA
5. Actual test result	It is 30mA, and not enter Vddmin mode
6. Reference device	Device model name Platform, SDM660 OLED Panel, 1080*2160 DDR, 4GB Dual Camera, 20MP+8MP, etc.
7. Reproducibility	Always, or 1/10
8. Can the issue recovery to normal status? How long?	Yes, 100s
9. SW build	MSM8996.LA.2.0.2-00012-STD.INT-1
10. Contact name/Phone number	Zhang San/+86-189XXXXXXXX
11. Log files	Please refer the next page for the details.

How to collect log files

Power	Thermal
1. 保证手机使用user build，并且具有adb root权限来抓取后面的log 2. 针对不同power问题，根据功耗指导文档80-P0955-1 先进行初步分析，提供初步分析结果和相关log。 1) AP场景功耗问题: Android log, kmsg, clock dump, top log, ftrace or systrace. 2) Modem场景功耗问题: QXDM log, ps_hold接地或PMIC reset方式触发的crash ramdump并提供elf文件 3) 其他子系统场景功耗问题以及睡眠电流问题: ps_hold接地或PMIC reset方式触发的crash ramdump并提供elf文件. 4) 待机问题: Android log/bugreport, kmsg. 3. Power monitor电流波形文件（.pt4). 4. 提供相关测试资源，APK文件和版本，mp3/mp4测试文件等 5. 如果与参考机对比，请提供参考机的所有log和power monitor电流波形文件（.pt4). *其中抓kernel log使能如下debug mask echo 1 > /sys/kernel/debug/clk/debug_suspend echo 1 > /sys/module/msm_show_resume_irq/parameters/debug_mask echo 9 > /sys/module/mpm_of/parameters/debug_mask	1. kernel thermal mitigation(KTM)及BCL相关问题 a. dtsi文件(如sdm660.dtsi) b. 使能内核dynamic debug log, 抓取kernel log（debug版本上才能抓dynamic debug log). echo 'file msm-tsens.c +p' > /sys/kernel/debug/dynamic_debug/control echo 'file thermal_core.c +p' > /sys/kernel/debug/dynamic_debug/control echo 'file msm_thermal.c +p' > /sys/kernel/debug/dynamic_debug/control echo 'file battery_current_limit.c +p' > /sys/kernel/debug/dynamic_debug/control c. 使能如下trace event, 提供ftrace log echo thermal:* >> /sys/kernel/debug/tracing/set_event 2. thermal engine相关问题及tuning工作 a. 通过命令"adb shell thermal-engine -o"输出conf文件并提供 b. thermal-engine debug log adb shell stop thermal-engine adb shell thermal-engine --debug & adb logcat -v time -s ThermalEngine > ThermalEngine.log c. tsens log adb push msm_tsens_logging_sdcard_new /data/tsens_logging adb shell chmod 777 /data/tsens_logging /data/tsens_logging 100 36000000 & 运行测试用例, 等待问题重新 adb pull /sdcard/tsens_logger.csv 3. thermal相关死机问题 提供ramdump文件及elf文件(vmlinux)