7/5/23, 11:21 PM PBSSD_workflow.svg

Item WFm.Pn WF1 Description
WorkFlow #m and Phase #n
WF1: PBSSD qualification

WF1 PBSSD qualification
P1: HW (baremetal) devel. and ODM's self-evaluation: SolDev(w/TED), ODM
P2: HW+SW integration and level-zero test: SWDev, DTC, MSL
P3: main qualification: SolPE, DevQA, SolDev, SWDev, DTC, MSL
WF2 PBSSD field issue handling
P1: field issue handling
PBSSD_FWDev
PBSSD_FWDev
PBSSD_FWDev
Block I/F PBSSD FW: by DSK.SWDev
File J/F PBSSD FW: DV DSA_DTC File I/F PBSSD FW: by DSA.DTC Object I/F PBSSD FW: by DSA.MSL PBSSD_FWDev
Block I/F: DSK.SWDev
- File I/F: DSA.DTC DSA.QA Customers DSK.NBP DSA.DTC Partner.ODM DSK.SolPE DSK.DevQA DSA.TED DSK.PMO Object I/F: DSA.MSL DSK.SolDev WF1.P1 [HW (baremetal) devel. and ODM's self-evaluation: SolDev(w/TED), ODM] PBSSD spec-gap should be done by NBP 2 months prior to DV-in based on spec-gap, SRS will be done by SWDev 1 month prior to DV-in based on the above, SolPE finalizes STS and TC before DV-in 1.1.1 request for PBSSD productization 1.1.2 response (ack) 1.1.3 baremetal requirements 1.1.4 baremetal spec 1.1.5 manufacturing initial baremetal samples 1.1.6 notification of ODM self-evaluation ready 1.1.7 SSDs to be used ODM self-evaluation 1.1.8 baremetal TC script for ODM self-evaluation [CHECK#1]
Can TED help SolDev and ODM to save the time? 1.1.9 ODM self-evaluation with baremetal TC script e.g.,
TED's parallel execution of (ODM's) self-evaluation,
and troubleshooting together with ODM 1.1.10 ODM self-evaluation result report [CHECK#2]
how many # of samples
for SolDev's initial baremetal inspection? 1.1.11 initial baremetal samples for \$olDev's inspection 1.1.12 baremetal inspection by SolDev 1.1.13 request to manufacture further baremetal samples manufacturing

1.1.14 further baremetal samples
for level-zero test 1.1.15 ODM self-evaluation with baremetal TC script 1.1.16 ODM self-evaluation result report [CHECK#3]
how many # of samples
for level-zero test?

1.1.17 further baremetal samples (for level-zero test) 1.1.18 baremetal inspection result report WF1.P2 [HW+SW integration and level-zero test: SWDev, DTC, MSL] level-zero TC will be delivered to PFD* by SolPE 2 weeks prior to DV-in 1.2.1 request for level-zero test install PBSSD FW (B/F/0) 1.2.2 system bring-up on the baremetal to bring up PBSSD PBSSD functional **1.2.3** level-zero test for basic functionality test?
- I/O, Admin commands?
- essential custom features? __ troubleshooting PBSSD performance
1.2.4 level-zero test [CHECK#5]
what kinds of level-zero test items troubleshooting for basic performance test?
- SW/SR/RW/RR? 1.2.5 PBSSD level-zero test result report 1.2.6 review the level-zero test result 1.2.7 decision-making: DV-in or not? WF1.P3 [main qualification: SolPE, DevQA, SolDev, SWDev, DTC, MSL] 1.3.1 decision-making by SolPE:
DV-in decided 1.3.2 request for PBSSD DV qual samples 1.3.3 prepare enough # of samples for qual 1.3.4 PBSSD DV qual samples 1.3.5 notification: DV-in 1.3.6 PBSSD DV DV troubleshooting for PBSSD FW DV troubleshooting for PBSSD HW DV troubleshooting with dev teams 1.3.7 DVR based on DV checklist 1.3.8 notification: DV-out 1.3.9 decision-making by SolPE: PV-in decided 1.3.10 request for PBSSD PV qual samples 1.3.11 prepare enough # of samples for qual 1.3.12 PBSSD PV qual samples 1.3.13 notification: PV-in 1.3.14 PBSSD PV [CHECK#6]
Can DTC help PBSSD PV?
advanced perf eval
and troubleshooting
(EZE perf eval
with customers'
realistic workload) PV troubleshooting for PBSSD FW PV troubleshooting with dev teams PV troubleshooting for PBSSD HW This may give us wider perf. coverage. Let's discuss! PV checklist agreement between SolPE and DevQA before PVR 1.3.15 PVR based on PV checklist 1.3.16 notification: PV-out PBSSD PR qual samples and qual infrastructure should be ready before PR-in 1.3.17 request for PR decision making by DEVQA:
1.3.18 PR-in decided
based on the PVR result 1.3.19 request for PBSSD PR qual samples 1.3.20 prepare enough # of samples for qual 1.3.21 PBSSD PR qual samples 1.3.22 notification: PR-in 1.3.23 PBSSD PR PR troubleshooting for PBSSD FW PR troubleshooting for PBSSD HW PR troubleshooting with dev teams 1.3.24 PRA based on PR checklist 1.3.25 notification: PR-out 1.3.26 response (qual completed) PBSSD samples are deployed in the field. WF2.P1 [field issue handling] [CHECK#7]
Can DTC help extend
the troubleshooting coverage
from the PBSSD itself
even to the customer host system? e.g., Sometimes we need to prove that the field issue reported was caused not by PBSSD, but by customer host system. 2.1.1 problem reporting 2.1.2 field issue status: open 2.1.3 request for initial inspection 2.1.5 replay the case and initial inspection **2.1.6** initial inspection report (maybe with solution) alt __ [further actions required] alt [most likely PBSSD HW issue] 2.1.7 request for PBSSD HW inspection (if needed) 2.1.8 request for PBSSD HW co-inspection 2.1.9 PBSSD HW inspection 2.1.10 inspection report from ODM 2.1.11 PBSSD HW further inspection 2.1.12 PBSSD HW troubleshooting report with solution [most likely PBSSD FW issue] 2.1.13 request for PBSSD FW inspection (if needed) 2.1.14 PBSSD FW inspection 2.1.15 PBSSD FW troubleshooting report with solution [most likely non-PBSSD issue (i.e., customer system's issue)] 2.1.16 request for customer host system inspection (if needed) 2.1.<u>1</u>7 customer host system inspection 2.1.18 E2E customer host system troubleshooting report with solution [difficult to specify which problem it is] 2.1.19 request for PBSSD HW inspection (if needed) 2.1.20 request for PBSSD FW inspection (if needed) 2.1.21 request for customer host system inspection (if needed) 2.1.22 request for PBSSD HW co-inspection 2.1.23 PBSSD HW inspection 2.1.24 inspection report from ODM 2.1.25 PBSSD HW further inspection 2.1.26 PBSSD HW troubleshooting report with solution 2.1.27 PBSSD FW troubleshooting report with solution 2.1.28 E2E customer host system troubleshooting report with solution 2.1.29 field issue status: resolved 2.1.30 report to customer with solution 2.1.31 field issue status: close DSA.QA PBSSD_FWDev
- Block I/F: DSK.SWDev
- File I/F: DSA.DTC
- Object I/F: DSA.MSL DSA.DTC DSK.NBP DSK.PMO DSK.SolDev DSK.SolPE DSK.DevQA DSA.TED Partner.ODM