SCO Product Test: SPEC, TEST BOM Part/Component Content Requirements

Overview

This document defines the part content requirements of TEST BOM for Group Product Testing

Audience

This document is for SCO employees and suppliers of Server Group Products including

PLT Test Engineering, PLT Operations Engineering, PLT Supplier Engineering.

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INTRODUCTION

The purpose of this document is to provide content reference in the TEST BOM for components, to Oracle's operations teams and external factories responsible for building and testing servers. This document currently supports X86 products only. X86 products use the name/term SN.BOM to refer to the TEST BOM described in this document. TEST BOM content is generated by the individual factory Shop Floor Control Process and pushed to and required for, Testing Process and TDMS Reporting. Each server produced and sent to test must include a corresponding TEST BOM, matched by system serial number. Servers completing debug process and part replacement must update TEST BOM information with new/replaced part content prior to retesting. TEST BOM content can be input to the test process via an SN.BOM format or other hierarchical format supported by Oracle Test Eng.

This document does not define the TEST BOM HEADER information requirements.

TEST BOM TABLE PART CONTENT REFERENCE

PN/SN/Desc Column- Describes content required for the line item:

PN = Oracle Part Number.

SN = Serial Number, typically Oracle SN Format but may use Vendor SN in the case of

non-Oracle serialized parts.

Desc = Description associated with the PN in BOM.

DESCRIPTION Column: Part description per BOM

TYPE Column, Informational only: Where parts(s) may reside in BOM - Function of Part - Where installed – Minimum parts

Requirement Column: Mandatory as minimum content per system and Mandatory Variable, based on Product Variable content in ATO/PTO BOMs, meeting criteria for electronic, cable, critical mechanical parts or specifications to complete build of system

TEST BOM PART CONTENT REQUIREMENTS TABLE

PN / SN / Desc	Part Descriptions	TYPE	Requirement
	M=MANDATORY per BOM Content		
Items Required	MV=MANDATORY VARIABLE per BOM Content. Required ADDS at L6 & L10 LEVELS		
PTO or ATO PN-SSN-Desc	PTO/ATO PN - SN - Description (TOP LINE)	Top Server	M
PN - SN - Description	MB Assy Tray -2/-2L/-2c/-8	Min. Part	M
PN - SN - Description	DBP(s)	Min. Part	MV
PN - SN - Description	PSU(s)	Min. Part	M
PN - SN - Description	Fan(s)	Min. Part	MV
PN - SN - Description	FIM Module(s)	Min. Part	MV
PN - SN - Description	ASM,MTHRBD, -2/-2L/-2c/-8	Min. Part	M
PN - SN - Description	ASM,PDB(s) MECH	Min. Part	MV
PN - SN - Description	L6 Base(s) built, shipped into L10 Factory	Min. Part	MV
PN - SN - Description	PRGRMMD,FSTC,WORLDBND RFID TAG(s)	Min. Part	M
PN - SN - Description	Dimm(s)	Min. Part	M
PN - SN - Description	CPU(s)	Min. Part	M
PN - Description	Spec Generic Factory Config Guide	Process/Test	M
PN - Description	Spec Config Guide SPECIFIC to PN	Process/Test	MV
PN - Description	SOFTWARE DOWNLOAD SPECIFIC TO PN	Process/Test	MV

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PN - SN - Description	PCIe(s)	Factory Add	MV
PN - SN - Description	HBA(s)	Factory Add	MV
PN - SN - Description	SuperCaps/ESM(s)	Factory Add	MV
PN - SN - Description	M.2 Modules	Factory Add	MV
PN - SN - Description	M.2 Carriers	Factory Add	MV
PN - SN - Description	HDD(s)	Factory Add	MV
PN - SN - Description	SSD(s)	Factory Add	MV
PN - SN - Description	SMOD(s)	Factory Add	MV
PN - SN - Description	MIO/MIO-R	Factory Add	MV
PN - SN - Description	CCM	Factory Add	MV
PN - SN - Description	CMOD(s)	Factory Add	MV
PN - SN - Description	PCA(s)	Factory Add	MV
PN - SN - Description	MID Plane(s)	Factory Add	MV
PN - SN - Description	Chassis	Factory Add	MV
PN - SN* - Description	Mechanical Part(s)	Factory Add	MV
PN - SN* - Description	Cables	Factory Add	MV
PN - Description	Air Deflector(s)	Factory Add	MV

Minimum parts in all systems, required as listed in BOMs

Specs for configuration and Software download specific to system PN, required to be listed

*All Electronic Parts used to configure systems specific to system PN, required to list PN - SN - Description

*Like parts must group together. Dimms/HDD/Fans/ etc.

*Modules must group parts associated with the module.

*All Mechanical parts added and critical to complete assembly and operation of system PN, need to be listed, SN as available. Do not list Fillers for HDD/PCIE/PSU

*Cables used to complete assembly of a system (SAS/NVME/POWER/Data), need to list PN, SN when provided on cable, and Description.

All listed PN/SN line items, must be followed by a BOM description for the part. Replication of the PN is not acceptable.

Direct questions to Oracle PE/SE team for the products. Avoid one-off inclusions.

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APPENDIX

Sample ATO TEST BOM   (partial TEST BOM for part content example only)

7120243-5609_1920XLA04M	ORACLE SERVER X8-2L: MODE
7357761_464151T-1914NG2TKT	ASSY,DRIVE,14TB,3.5,SAS3/7200RPM,CORAL,
7339763_433551B+19050008LP	BD LP, DUAL SFP28,ADAPTER,WHITNEY+,PCIE3
7335943_159048T+1914NJ20BV	ASSY,6.4TB FLASH F640 NVME AIC, AURA 7
7335907_4925382+1836000BE7	HBA,DUAL PORT 32GB FC LP PCIE W/BRACKET(
7332895_464168K+1849574445	HBA,12GB SAS3 PCIE 16 PORT RAID-INT (W/F
7330698_80AD01190352D7BB9E	RDIMM,32GB,DDR4,2666,2RX4 1.2V
7315464_AST19112F2C3	CBL,SAS3,X7-2L
7309566_341A583DE58000000003F96C	PRGRMMD,FSTC,WORLDBND RFID TAG
7096675_159048M+1851000A5G	BD,LP QUAD,10GBASE-T ADAPTER,FORTPOND,PC
7086345_464168K+1847160520	ASSY,SUPER CAP, 13.5V, 6.4F (SAS3 HBA)
7085208_464168P+1751260873	HBA,12GB SAS PCIE,8PORT,EXTERNAL (ESTES)
7046442_465774X-1907700137	ASSY,DUAL PORT,QDR CX3, HCA
7363129_	Sun Fire X8-2L FACTORY CONFIGURATION GUIDE
7347231_465136N+1912RW00GM	ASM,MTHRBD, 2U
7326818_465136N+1911RA00C9	ASM,PDB MECH,X7-2L
8200116_465824T+1910D35743	PSU,AC,A266,F,12V,1200W
7360978_465136N+1912RD50GM	ASM,MTHRBD,X8-2L
7348058_7348058/46/CHINA	CBL,SERIAL MGT,SHIELDED,X7-2L
7338269_465136N+1912AC009X	AIR FLOW DIRECTOR, X7-2L
7322166_465136N+1911060KJR	ASM, FAN, X7-2L
8200426_M9JH186800635	CPU,INTEL CLX, G5218 (B1), 2.3 GHZ, 125W

Sample PTO TEST BOM   (partial TEST BOM for part content example only)

7345299_1921XL20AL	BLOCKSTORE SERVER, 25G, X7-2L
7345517_AST19051P0PJ	CBL,NVME,LONG,PARTIAL EXPANDO,X7-2L
7345518_AST19052P02R	CBL,NVME,SHORT,PARTIAL EXPANDO,X7-2L
7343912_159048T+1852NH50UU	ASSY,SSD,6.4TB,SFF-2.5,NVME1.2B X4,CORAL
7345300_	Spec,Sever Configuration,BlockStore Server,25G,X7-2L
7339867_	Sun Fire X7-2L FACTORY CONFIGURATION GUIDE
7330698_80AD011839121E8142	RDIMM,32GB,DDR4,2666,2RX4 1.2V
7309566_341A583DE580000000042D04	PRGRMMD,FSTC,WORLDBND RFID TAG
7347231_465136N+1912RW009A	ASM,MTHRBD, 2U
7341141_465136N+1911NL00GT	ASM,12-DBP_UNI,2U
7326818_465136N+1911RA02YR	ASM,PDB MECH,X7-2L
7343838_465136N+1918SA008T	ATO,ASM,X7ROT
8200116_465824T+1910D35517	PSU,AC,A266,F,12V,1200W
7341590_PHDW903600DD480B	M.2,480GB,SATA,22X80MM,SSD,INTEL, DC S35
7348058_AST19023T03U	CBL,SERIAL MGT,SHIELDED,X7-2L
7341466_465136N+1916RF001B	ASM,MECH,M.2,X7-2L.

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7338269_465136N+1912AC007Y	AIR FLOW DIRECTOR, X7-2L
7335280_465136N+1912RD509A	ASM, MB MECH, X7-2L
7341358_465136N+1902RX039F	ASSY,SWITCH,PCI-E
7322166_465136N+1911060N5D	ASM, FAN, X7-2L
7339763_433551B+19030006YQ	BD LP, DUAL SFP28,ADAPTER,WHITNEY+,PCIE3
7347798_AST19082T0BZ	CBL, SERIAL, XROT TO WHITNEY, X7-2L
7347510_M8EN736000689	CPU,XEON G-5120, 2.2 GHZ, 105W, 14 CORE
7346494_7346494	CBL, ROT, DATA, X7-2L

DOCUMENT HISTORY

REVISION	DATE	DESCRIPTION OF CHANGE
02	15 Aug 2019	Initial Release
03	13 Apr 2022	Conversion to current corporate template

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