.020 Development Main Order

Previous WBS Element	WBS Element	Department	Support for other domain
003 / no international standard	021 System	AEx	
003 / no international standard	022 Hardware	AEx	
			Production Eng. Equipment (APE)
			Quality Assurance Lab. (AQL) Quality Assurance
			Lab. (AQL)
003 / no international standard	023 Software	AEx	

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Configuration Manager
Function Responsible
Requirements Manager
Systems Engineer
Hardware Engineer
Hardware Engineer
PCB Designer
Sample Responsible
Senior Manager
Supplier Responsible
Team Leader Hardware
Technology Dev. & Qualification (AET)
Hardwara Engineer
Hardware Engineer
Hardware Engineer
Hardware Engineer
Senior Manager
Software Architect
Software Engineer
Software Integrator
Supplier Responsible
Team Leader Software

Software Engineer	
Software Engineer	
Machanics Architect	
Mechanics Architect	
Mechanics Engineer	
Mechanics Integrator	
Modelshop	
Sample Responsible	
Senior Manager	
Simulation Engineer	
Supplier Responsible Team Leader Mechanics	
Technology Dev. & Qualification (AET)	
Technology Dev. & Qualification (AET)	
Technology Dev. & Qualification (AET)	
Mechanics Engineer	

Senior Manager
Test Engineer System
Test Responsible
Agile Coach
Agne coden
Auditor
Cyber Security Manager
DFMEA Moderator
Functional Safety Manager
Quality Assurance Manager
Quality Assurance Manager Hardware
Quality Assurance Manager Mechanics
Quality Assurance Manager Software
Hardware Engineer
Mechanics Engineer
Modelshop
Sample Responsible
Software Engineer
Technology Dev. & Qualification (AET)

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KPIT UTTSNOTE SOTTWARE GEVELOPER	[KPIT] Offshore software developer
	[KPIT] Offshore software project lead

[KPIT] Onsite technical lead	
External consultants or personnel service providers	
Debugger [only project specific] (e.g. iSystems)	
Network Interfaces [only project specific] (e.g. VN7610)	
Transport / Accommodation / Additional expenses	
Support APE in the product-specific design and setup of EOL-Test and/	or EOL-
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Support AQL in the product-specific design, creation or debugging of t	est
equipment	
Support AQL with evaluation and interpretation of data gathered in D	V/PV or by
specific measurements with DUTs before/after DV/PV	
Support AQP in problem analysis during production ramp-up (e.g. ana	lysis of
EOL data)	
Support AQP after SOP in problem analysis (e.g. analysis of EOL data)	
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Must only be considered when the senior manager posts hours
External consultants or personnel service providers
Test infrastructure [only project specific]
Transport / Accommodation / Additional expenses
[HW] Design and build-up of internal and external A-samples
[ME] Design and build-up of internal and external A-samples
only A-sample related effort
[SW] Design and build-up of internal and external A-samples
[AET] Support fo A-sample build-up
Material cost for internal and external A-samples
KOCHI only - content see 029 for external samples
KOCHI only - content see 029 for internal samples
Soft tools for Models & A-samples
[ASR] MCAL
[ASR] Vector HLP
[ASR] Vector SIP
[ASR] Vector SLP
Basic software configuration tool [only project specific] (e.g. DaVinci
Configurator Pro)
Bus simulation [only project specific] (e.g. CANoe)
Calibration tool [only project specific] (e.g. CANape)
Compiler [only project specific] (e.g. Tasking)

Debugging & automation [only project specific] (e.g. Contino prova, WinIDEA)

Diagnostic specification tool [only project specific] (e.g. CANdela)

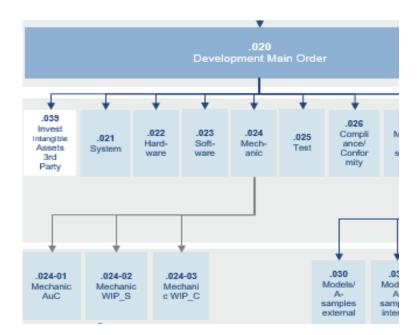
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Flashtools/OBD [only project specific] (e.g. vFlash, ODIS, Monaco)

Software component development tool [only project specific] (e.g. DaVinci Developer)

Virtual Developing and Testing AUTOSAR Software [only project specific] (e.g. vVirtualTarget)

Comments
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