

## Scope of quality advanced planning

<b>Elements of advanced quality planning</b>		<b>Product complexity</b>											
		Mechanical parts						Mechatronics					Software only
		11	10	9	8	7	6	5	4	3	2	1	
		Carry Over Parts	Catalog products	Standard		Complex		R&D services only	without functional safety requirements		with functional safety requirements		
without design responsibility	with design responsibility			without design responsibility	with design responsibility	without design responsibility	with design responsibility		without design responsibility	with design responsibility			
No. Element	6	6	25	32	34	36	17	36	40	36	40	20	
1 Customer specifications			X	X	X	X	X	X	X	X	X	X	
2 Change management			X	X	X	X	X	X	X	X	X	X	
3 Communication & escalation management					X	X	X	X	X	X	X	X	
4 Project time schedule			X	X	X	X	X	X	X	X	X	X	
5 Feasibility confirmation			X	X	X	X	X	X	X	X	X		
6 Capacity confirmation	X	X	X	X	X	X		X	X	X	X		
7 Safe Launch					X	X		X	X	X	X		
8 Requalification			X	X	X	X		X	X	X	X		
9 Technical Review & Action plan				X	X	X	X	X	X	X	X	X	
10 Nomination & Ordering	X	X	X	X	X	X	X	X	X	X	X	X	
11 Development Interface Agreement							X		X		X	X	
12 Supplier Quality Plan							X	X	X	X	X	X	
13 Design-Analysen (FMEA, FMEDA, FTA)				X		X	X		X		X	X	
14 DVP				X		X	X		X		X	X	
15 PVP			X	X	X	X		X	X	X	X		
16 Return part & failure analysis concept (incl. Concern Management)					X	X	X	X	X	X	X	X	
17 Craftmanship / Appearance (Failure catalog)			X	X	X	X		X	X	X	X		
18 List of special characteristics				X	X	X	X	X	X	X	X	X	
19 Definition of measuring methods			X	X	X	X		X	X	X	X	X	
20 Measuring harmonization				X	X	X		X	X	X	X	X	
21 Inspection and measuring equipment capability				X	X	X		X	X	X	X	X	
22 Part history					X	X	X	X	X	X	X	X	
23 Product audit supplier								X	X	X	X		
24 Material declaration & compliance confirmation		X	X	X	X	X	X	X	X	X	X	X	
25 Equipment and tools			X	X	X	X		X	X	X	X	X	
26 Process FMEA			X	X	X	X		X	X	X	X		
27 Prototype control plan			X	X	X	X	X	X	X	X	X		
28 Process flow chart and volume production layout			X	X	X	X		X	X	X	X		
29 Process planning assessment									X		X		
30 Production and inspection of prototype parts			X	X	X	X	X	X	X	X	X		
31 Preliminary process capability study			X	X	X	X		X	X	X	X		
32 Volume production control plan			X	X	X	X		X	X	X	X		
33 Process instructions			X	X	X	X		X	X	X	X		
34 Logistics concept	X	X	X	X	X	X		X	X	X	X		
35 Packaging concept	X	X	X	X	X	X		X	X	X	X		
36 Treacibility concept				X	X	X		X	X	X	X	X	
37 Subcontractor quality planning			X	X	X	X		X	X	X	X		
38 Process launch assessment			X	X	X	X		X	X	X	X		
39 Capacity trial run	X		X	X	X	X		X	X	X	X		
40 Initial Sampling and Product release	X	X	X	X	X	X		X	X	X	X	X	