

M0 Declaration Layout/Production Data

Product: **RUBY**

Part Project Leader: Wolf-Dietrich Metz

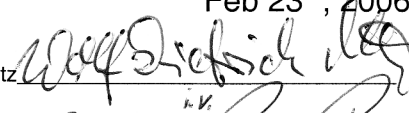
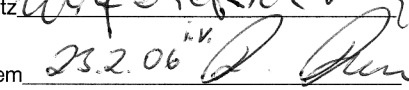
1.1.1 Layout/Production Data

1	Part project leader (PPL) layout and construction has been designated by the department Line Manager	o.k.
2	Detailed Primavera project plan from M0 to M1 showing dedicated resources by name is available	o.k.
3	Rough Primavera project plan from M1 to M3/S4 showing dedicated resources on department level is available	o.k.
4	Platform is released for start of product integration i.e. platform master schematics are available	o.k.
5	First Product circuits schematics extracted from master schematics	o.k.
6	Missing component- and pad-geometry have to be listed and traced	o.k.
7	PCB outline, barred/shielded areas and height profiles are available (>90%)	o.k.
8	Parts list of the calculation variant (delivery unit) for DTC measures made available within SAP PLM in status 99	o.k.
9	The product requirements as specified in the M0 document achievable with available technologies / know-how by the specified S3 HW deadline	o.k.
10	Product relevant pre-development/components development are defined. Time schedule and deliveries assigned to product development schedule (I3 milestone of the pre-development is reached and available for the product development)	
11	PCB technology, layer stack up defined and reviewed with EA, RF and dHW (If platform layer stack up not suitable confirmation from PCB-FBT necessary, if platform layer stack can not be used a supplier kick off workshop has to be held)	o.k.
12	In case of FPC: - FPC process worked in project planning (lead time, assembly concept, logistic concept...) - outline data from MD received - test concept aligned together with MD and ST - critical parameters fixed (schematics, outline, dynamic area, track width, maximum resistant on shielding...) - first parts list distributed to suppliers (word or excel format) and ordering of long lead time (> 4weeks) components initiated	See Footnote 1) See Footnote 2)

- potential FPC supplier selection aligned with head of strategic procurement
- FPC suppliers informed about kick off workshop meeting date
- B1 and B1+ device quantity for cycle tests aligned with MD, ST2 and project manager
- Component approval request started

Remark: at least the due date for receiving this information has to be agreed and fixed together with related departments

See Footnote 3)

		Feb 23 rd , 2006	
Part Project Leader	Layout / Production Data	Wolf-Dietrich Metz	
Line Manager	Layout / Production Data	i.V. Reinhard Prem	

Footnote 1)

Since the FPC has no dynamic application, no Lifecycle tests are needed. FPC outline received from Mech. Department.

Footnote 2)

Schematic is missing, but the base concept of connecting all the interfaces and components is worked out by 90%. The unclear part is the connection to the VGA camera and the Vibra Module. The viability of a mass product FPC is not endangered due to standard technology. We will use standard 2-layer for signal and one top layer in silver screen printing for EMC shielding.

Footnote 3)

Will happen in calendar week 10