










## QM-SW milestone assessment

Product Software Quality Report BenQ MD QM SW		MEP 7.01	
<b>Jerry</b>		<b>05-04-2006</b>	
Vodafone variant based upon Aries.		B. Mortensen	
M1 declared			

### Milestone Assessment

	Product	Milestone compliance	mandatory requirements	Compliance to SQAP	planned original	planned actual	declared on
<b>M0</b>	Jerry	 97%	 96%	 NA	23-02-2006		<b>10-03-2006</b>
<b>S0</b>	Jerry	 94%	 98%	 NA	28-02-2006	10-03-2006	<b>31-03-2006</b>
<b>M1</b>	Jerry	 98%	 97%		21-03-2006	04-04-2006	<b>05-04-2006</b>
<b>S2</b>	Jerry				04-07-2006		
<b>S25</b>	Jerry				01-08-2006	18-07-2006	
<b>S3</b>	Jerry				31-08-2006	17-08-2006	
<b>DS</b>	Jerry				28-09-2006	22.09.2006	
<b>S4</b>	Jerry				26-10-2006	01.11.2006	

### Top 5 quality risks

1	Resources problems in BEJ. CM and BM (from Aal) will leave Jerry end of May. New colleagues on BEJ site not nominated yet.	High
2	Automatic synchronization between BEJ and SISL databases endangered due to firm policy. Exception have to be given by top management. Manually synchronization not sufficient due to tight timeline.	High
3	Defect on Aries regarding protocol stack bug. (DT100135438) If valid for Jerry, code can't be corrected because it's owned by Comneon.	Critical
4	Requirements from VF not finally closed. Replanning/-estimation can be needed.	High
5		

### Comments

## QM-SW milestone assessment

B. Mortensen	Assessment item	Milestone Assessment	Checked by QM-SW	Check list	Criticality	Finding(s)
yes	Assessment of M0 milestone, Product is defined					
yes	Assessment of S0 milestone, Requirement Release – Design freeze					
yes	Assessment of M1 milestone, Implementation Release					
Identifier						
M1.10.1.	Project Management					
M1.10.8.1	Synchronization Platform Development /HW Predevelopment					
M1.10.8.2	Radio					
M1.10.8.3	EMC/Antenna					
M1.10.8.4	Digital and mixed signal HW					
M1.10.8.5	Software					
M1.10.8.5.1.	Binding statement for all defined SW features (including initial (P)ICS, PIXIT etc. required for System Test planning of agreed conformity assessments and certifications)	no	SW			PL:SW: OK with constraints. Some requirements are still open.
M1.10.8.5.2.	Product specific components projects have reached C1	open				No components defined for Jerry
M1.10.8.5.3.	Memory Requirements fixed Consistent to memory estimations	yes	SW			OK: Reuse Aries
M1.10.8.5.4.	Testability of the features by S2 in the field guaranteed	open				N/A: No S2 milestone valid for Jerry
M1.10.8.5.5.	Feasibility of implementation and approval ensured positive assessment of implementation by SW department positive assessment of approval by system test department	yes	SW			PL-SW: OK. Reference to "Feasibility studies" document Document not investigated.
M1.10.8.5.6.	Product specific user interface specification Detailed MMI specification complete? Reviews completed without blocking points? Detailed MMI specification consistent to rough MMI specification?	most	SW			OK. Using VF Simply UI.
M1.10.8.5.7.	Software Supplier Management: Review of contracts, ready for signature (must be ensured that contracts can be signed after M1) 1. Negotiations by Global Procurement performed 2. Contract checked by Legal Department 3. Contract approved by Global Line Manager 4. Contract approved by Head of SW development	open				NA. No external supplier in Jerry. SISL are handled as consultancy.
M1.10.8.5.8.	Resources provided by the department up to M3	no	SW			PL-SW: OK with constraints. - Effort for Bugfix not yet covered. - Not clarified requirements can introduce additional effort.
M1.10.8.5.9.	Product specific Architecture Document available	yes				OK, Reuse from Aries. ASP concept available. Newest ASP test cases accepted
M1.10.8.5.10.	Software Quality Assurance Plan (SQAP) completed Reviews completed without blocking points?	yes	SW			OK: Reviewed and released. Ver. 1.1_004
M1.10.8.5.11.	Software Project Management Plan (SPMP) completed Reviews completed without blocking points?	yes	SW			OK: Basically done by sprint feature planning.
M1.10.8.5.12.	Product Integration Plan available Number and content of IP's defined? Reviews completed without blocking points? Consistent with component schedules?	yes				OK, not planned as IP, but as sprints. Integration of 128 work package in 4 sprints planned
M1.10.8.5.13.	Core Integration Team nominated (appointed specialists from CA, L1, PS and SP)	yes	SW			PL-SW: OK with constraints - 2 CIT in BEJ require. Only one fixed. - PS support not yet finalized - No SP changes.
M1.10.8.5.14.	Configuration Management Plan available Reviews completed without blocking points?	yes	SW			OK, SCMP ver. 1.0_002 in review - not released.
M1.10.8.5.15.	Project Database created	yes	SW			OK
M1.10.8.5.16.	Detailed Primavera project plan up to M3/S4 is available, showing dedicated resources by name and on department level for external consultants. Critical path within target date?	no	SW			OK, stated by PL-T and Primavera support. Some BEJ resources not settled yet after handover from Aal to BEJ
M1.10.8.5.17.	Update Risk Management Plan	yes	SW			OK, Updated 2006-03-24
M1.10.8.5.18.	Requirements and responsibilities fixed for all software deliverables which need to be adapted or tested "software deliverables" are all deliverables (files, documentation) that is provided to Factory, Customer Care, Customers or End Users. Requirements may be - naming, versioning conventions - requirements regarding identification - requirements regarding verification	yes	SW			OK
M1.10.8.5.19.	Creating in Defect Tracking Tool (Clear Quest) a new Project for Defect Tracking. Registration Form issued including Project Responsibilities, Roles and Suppliers. Project in Clear Quest created	yes	SW			OK, CQ database created, Aries defects relevant for Jerry transferred.
M1.10.8.5.20.	Scope and schedule for implementing of the SW (EMC, service SW logic, accessories) is available for the individual HW statuses and has been agreed with HW and Accessories (-> Layer 1 proposed to postpone this checkpoint from M0 to M1)	yes	SW			OK, stated by PL-SW

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M1.10.8.5.21.	Format of release notes and delta description of all SW parts agreed with CCQ, PM and System Test	yes	sw		OK, stated by PL-SW
M1.10.8.5.22.	AT command list available	yes	sw		Reuse from Aries
M1.10.8.5.23.	SW boot concept for internal test and test at operator defined and agreed with at least System Test, Global Product Management	yes	sw		Reuse from Aries
M1.10.8.5.24.	Update concept defined and agreed with at least System Test, Service and production	yes	sw		PL-SW: OK with constraints SWUOTA not committed.
M1.10.8.5.25.	Trace concept defined	yes	sw		Reuse from Aries
M1.10.8.5.26.	SW Variants: Operator specific MMI, MMI languages, SIM-Lock, Initialization, applications	yes	sw		PL-SW: OK with constraints VF product. LG not yet finalized due to memory consumption
M1.10.8.5.27.	SW customization feature list overview created	open			NA. VF product, no variants
M1.10.8.5.28.	Key applications defined	open			NA. VF product, no key applications
M1.10.8.5.29.	PSQA plan built up and provided to PQA	yes	sw		PSQA for SW: SQAP and System test plan
M1.10.8.6	Signal Processing (SP) Software				
M1.10.8.6.1.	Commitment for all defined SP SW features	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.2.	SW Architecture Description of sub-components (features) with SP contributions reviewed (e.g. a block diagram)	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.3.	Detailed description of the voice controlled user interface defined. This includes translation of voice control commands into all relevant languages	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.4.	Requirements and implementation schedule for RF and audio test software are available (including production test software) (contact RF sub-project leader and Logic sub-project leader)	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.5.	If applicable: External SP software suppliers are selected and contracts signed. It is defined, what is included in the deliveries, and what are the acceptance criteria	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.6.	SP department resources are available up to M3	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.7.	Resources from other departments that are needed to support SP work are available up to M3	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.8.	SP SW Design Specifications have been reviewed	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.9.	Final version of Test Plan for product-specific SP SW created, agreed and reviewed by QM PT	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.10.	Build Managers for product-related SP SW are identified (micro-controller code).	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.11.	An AD engineer and an Acoustics engineer in charge of audio parameterization are appointed.	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.12.	Project Plan for SP tasks until S4 is available.	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.13.	Requirements and responsibilities fixed for all SP SW deliverables, which need to be adapted or tested.	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.14.	System Simulations are completed and final version of RF interface specification is available.	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.14.	Detailed Primavera project plan up to M3/S4 is available, showing dedicated resources by name and on department level for external consultants	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.16.	Time schedule for provision of devices for conformity assessment and certification agreed with System Test	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.6.17.	Input for SW-PSQA plan is given	open			According to PL-SP: Reuse from Aries. No changes needed
M1.10.8.10	System test (ST)				
M1.10.9.	Quality Management: Product Quality				
Checks					
M1.10.10	Other Check Items				
M1.10.10.1.	Applications: timelines and deliverables for application test devices (e.g. functional Java VM) are aligned with PM AS	open			No specific applications for Jerry.
M1.10.10.2.	Special cost regulations agreed for the market introduction phase (e.g. for upgrades, device provisioning) where not covered in the business case	open			VF product, no other variants
M1.10.10.3.	All open topics from the previous milestone are closed (= unlimited release of the previous milestone)	yes	sw		Done
M1.10.10.4.	In case of any open topics, a list of open topics, responsible persons and due dates has been created	yes	sw		None
M1.S	Summary	QA-P			
M1.S.1	Milestone Assessment rated by QA-P resp. by formula	98%			
M1.S.2	mandatory requirement for assessment	97%			
M1.S.3	Compliance to SQAP	0%			
yes	Assessment of S2 milestone, Tested Functional Sample (B1)				
yes	Assessment of S25 milestone, Tested Prototype Device B1+				
yes	Assessment of S3 milestone				
yes	Assessment of DS milestone				
yes	Assessment of S4 milestone				