











Obsidian SW-QA milestone assessment, M1

Product Software Quality Report BenQ MD QM SW		MEP 7.01
Obsidian	01-03-2006	
C68 - Based on Swift.	B. Mortensen	
M1 milestone declared		

Milestone Assessment

	Product	Milestone compliance	mandatory requirements	Compliance to SQAP	planned original	planned actual	declared on
M0	Obsidian	 84%	 98%	 NA	25-11-2005	25-11-2005	25-11-2005
S0	Obsidian	 96%	 95%	 NA	23-12-2005	21-12-2005	21-12-2005
M1	Obsidian	 98%	 98%	 100%	20-01-2006	13-01-2006	01-03-2006
S2	Obsidian				14-04-2006	08-05-2006	
S25	Obsidian				15-05-2006	26-06-2006	
S3-HW	Obsidian				28-07-2006		
AS	Obsidian					03-08-2006	
MKA	Obsidian						
S3	Obsidian				14-07-2006	03-08-2006	
DS	Obsidian				25-08-2006	30-08-2006	
S4	Obsidian					25-09-2006	
IP	Obsidian						

Top 5 quality risks

1	Possible update of Firmware can introduce new ASP settings	Critical
2	CM-plan strongly depended of Swift DB.	High
3	Problems in Swift such as feature cutting will also be true for Obsidian.	Medium
4	Ressources for FM radio not Obsidian as first priority	Medium
5	Requirement from PM regarding accessory "CarKitLineFit" not committed by SW. Can be introduced by CR	Medium

Comments

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B. Mortensen	Assessment item	Milestone Assessment	Checked by SW-QA or PQM	Checklist	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)	yes	SW			ok
M1.10.8.5.2.	Product specific components projects have reached C1	open				na
M1.10.8.5.3.	Memory Requirements fixed Consistent to memory estimations	yes	SW			ok
M1.10.8.5.4.	Testability of the features by S2 in the field guaranteed	yes	SW			Stated by ST
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			OK, agreed by ST
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?	all	SW			Done by following link 05_ReqSpecMMIX85_Obsidian.pdf
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
M1.10.8.5.8.	Resources provided by the department up to M3	yes	SW			OK, stated by PL-SW
M1.10.8.5.9.	Product specific Architecture Document available	open				No specific achitecture available Based on Swift
M1.10.8.5.10.	Software Quality Assurance Plan (SQAP) completed Reviews completed without blocking points?	yes	SW			New RR target incorporated
M1.10.8.5.11.	Software Project Management Plan (SPMP) completed Reviews completed without blocking points?	yes	SW			See link 04_ProjMgt\10_ProjMgtPlan\001_Obsidian_SP MP.doc
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?	open				NA
M1.10.8.5.13.	Core Integration Team nominated (appointed specialists from CA, L1, PS and SP)	yes	SW			ok
M1.10.8.5.14.	Configuration Management Plan available Reviews completed without blocking points?	yes	SW			See link 09_CM\05_CMPlan\Software Configuration Management - Obsidian - second draft.doc
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?	yes	SW			ok
M1.10.8.5.17.	Update Risk Management Plan	yes	SW			ok

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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	open	SW		To be done between B1 delivery and S2 milestone
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
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
M1.10.8.5.22.	AT command list available	yes	SW		Same as Swift
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		ok
M1.10.8.5.24.	Update concept defined and agreed with at least System Test, Service and production	yes	SW		Same as Swift
M1.10.8.5.25.	Trace concept defined	yes	SW		Same as Swift
M1.10.8.5.26.	SW Variants: Operator specific MMI, MMI languages, SIM-Lock, Initialization, applications	yes	SW		OK, VF and TMO planned
M1.10.8.5.27.	SW customization feature list overview created	yes	SW		OK
M1.10.8.5.28.	Key applications defined	yes	SW		ok
M1.10.8.5.29.	PSQA plan built up and provided to PQA	yes	SW		Consist of test spec. And SQAP
M1.10.8.6	Signal Processing (SP) Software				
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	yes	SW		AS Swift
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	SW		
M1.10.10.3.	All open topics from the previous milestone are closed (= unlimited release of the previous milestone)	yes	SW		1:Draft project plan for application delivery (MEP M0.8.8.4.15) is postponed until M1 (Obsidian_AS_Timing 13022006.xls) 2:Interface specification for FM-radio headset. FM headset droppen. FM radio incorporated in MP
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		No Open topic
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	98%			
M1.S.3	Compliance to SQAP	100%			
yes	Assessment of S2 milestone, Tested Functional Sample (B1)				
yes	Assessment of S25 milestone, Tested Prototype Device B1+				
yes	Assessment of S3 (S3-HW) milestone, Pre-Series Release B2 for HW				
yes	Assessment of AS milestone				
yes	Assessment of MKA milestone				
yes	Assessment of S3 milestone				
yes	Assessment of DS milestone				
yes	Assessment of S4 milestone				