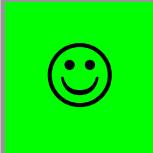





## Obsidian SW-QA milestone assessment, M0

Product Software Quality Report BenQ MD QM SW		MEP 7.01
<b>Obsidian</b>	<b>25.11.2005</b>	
Based on Swift.	B. Mortensen	
M0 declared by SW-QA, based on declaration from SW. SW-QA accept that Draft project plan for application delivery (MEP M0.8.8.4.15) is postponed until M1		

### Milestone Assessment

	Product	Milestone compliance	mandatory requirements	Compliance to SQAP	planned original	planned actual	declared on
<b>M0</b>	Obsidian	 84%	 98%	 NA	25.11.2005	25.11.2005	<b>25.11.2005</b>
<b>S0</b>	Obsidian				23.12.2005	23.12.2005	
<b>M1</b>	Obsidian				20.01.2006	20.01.2006	
<b>S2</b>	Obsidian				14.04.2006		
<b>S25</b>	Obsidian				15.05.2006		
<b>S3-HW</b>	Obsidian				28.07.2006		
<b>AS</b>	Obsidian						
<b>MKA</b>	Obsidian						
<b>S3</b>	Obsidian				14.07.2006		
<b>DS</b>	Obsidian				25.08.2006		
<b>S4</b>	Obsidian						
<b>IP</b>	Obsidian						

### Top 5 quality risks

1	Independent FM radio can introduce serious ASP issues. The volume of the FM radio will be unknown to the phone.	Critical
2	Swift using 2 speaker solution, Obsidian uses one speaker -> introduces ASP implementations. Plan to copy from Minos. Depending on good ASP solution for Minos	High
3	FM headset. Interaction with phone not totally specified. FM radio control not part of phone MMI	High
4	Project plan to follow Swift as much as possible -> CR accepted for Swift will also have impact on Obsidian -> can give impact on Obsidian timeline, without the possibility to reject the CR.	High
5		

### Comments

## Obsidian SW-QA milestone assessment, M0

B. Mortensen	Assessment item	Milestone Assessment	Checked by SW-QA or PQM	Checklist	Criticality	Finding(s)
yes	Assessment of M0 milestone, Product is defined					
Identifier						
M0.8.8.1.	Radio					
M0.8.8.2.	EMC/Antenna					
M0.8.8.3.	Digital and mixed signal HW					
M0.8.8.4.	Software					Responsible: PL-SW
M0.8.8.4.1.	Project Leader SW has been designated by the department head.	yes	SW			PL-SW: Carsten Thormansen (Aal)
M0.8.8.4.2.	PL <CA, L1, PS, SP, PC> has been designated by the department head	yes	SW			
M0.8.8.4.3.	SW quality assurance (SW QA) has been designated	yes	SW			SW-QA: Brian M. Mortensen (Aal)
M0.8.8.4.4.	Detailed Primavera project plan from M0 to M1 showing dedicated resources by name is available.	yes	SW		Low	No detailed planning in Primavera - just one ongoing task from M0 to M1. Product based on Swift. Only task are: 1: Investigating deviations from Swift 2: Make copy of swift in order to build a running SW. Project planning of those 2 task is done outside Primavera..
M0.8.8.4.5.	Rough Primavera project plan from M1 to M3/S4 showing dedicated resources on department level is available	yes	SW			Done. One ongoing task in between M1 and M3. Resources allocated
M0.8.8.4.6.	All M-alpha requirements are assigned to Component Projects (Architectural Analysis of requirements completed by System Architect)	yes	SW			Same as Swift
M0.8.8.4.7.	M0 version of milestone planning for SW component projects (platform) is available and in line with product requirements	yes	SW			No new components required
M0.8.8.4.8.	Requirement specification (M0 quality) agreed	yes	SW			
M0.8.8.4.9.	Accessory related requirements for the SW design (incl. MMI) are available.	yes	SW			Same as Swift + FM headset radio. Radio is integrated into headset , so no interaction between phone and radio
M0.8.8.4.10.	Requirement specification accessory related (M0 quality) agreed	yes	SW			
M0.8.8.4.11.	M0 Freeze version of R&D featurerlist is available	yes	SW			
M0.8.8.4.12.	Deviations between operator requirements and "to be implemented functionality" as of R&D are agreed.	yes	SW		High	Headlines for operator requirements known. Deviation to current status agreed. No budget to implement deviations available.
M0.8.8.4.13.	Result of feasibility check on General technical service requirements is available.	yes	SW			Same as Swift
M0.8.8.4.14.	Software Supplier Management: Handled according to SSMP (Software Supplier Management Process) 13.1 Project Outsourcing Manager designated 13.2 Make-or-Buy-Decision "Deliverables" made 13.3 Start NDA process 13.4 Creation of Technical Requirements Specification "Deliverables"	yes	SW			NA
M0.8.8.4.15.	Draft project plan for application delivery (alpha, beta and gold master) is available from AS PM and in inline with product requirements	open	SW			Posponed to M1
M0.8.8.4.16.	Applications: timelines & deliverables for application development environment (e.g. for specific phone functions like running Java VM on B1+ @ S25), phone emulator/SMTK) are planned within SW-component projects (CS0 status) and are aligned with PM AS	yes	SW			Same as Swift
M0.8.8.4.17.	Feasibility to fulfill requirements from applications is confirmed	yes	SW			Same as Swift
M0.8.8.4.18.	User Interface (UI) style guide, User Interface (UI) concept: aligned version after review by R&D and TI is available	yes	SW			Same as Swift
M0.8.8.4.19.	Design for all (dfa) compliance is confirmed by UE	yes	SW			Same as Swift
M0.8.8.4.20.	User Interface (UI) style guide, UI concept for accessory devices: aligned version after review by R&D and TI is available	yes	SW			Same as Swift
M0.8.8.4.21.	Feasibility to fulfill feature requirements on Software, HW and MMI from Customer Care is confirmed	yes	SW			Same as Swift
M0.8.8.4.22.	First concept is aligned with factory, Requirements to SW from the factory are available	yes	SW			Same as Swift
M0.8.8.4.23.	Necessary test tools (Radio) and testing concept agreed with SW; availability of tools committed by SW	yes	SW			Closed
M0.8.8.4.24.	EMC SW defined with SW, necessary test tools and testing concept agreed with SW; availability of tools committed by SW	yes	SW			Closed
M0.8.8.4.25.	Digital and Mixed Signalling HW: Hardware/Software interface and function distribution coordinated (hardware description and list of requirements on the software, port pin list is available)	yes	SW			
M0.8.8.4.26.	Digital and Mixed Signalling HW: Product related deviations are agreed with PL SW.	yes	SW			

## Obsidian SW-QA milestone assessment, M0

M0.8.8.4.27.	Product related SW project folder is created according platform documentation standard	yes	SW			Aalafs3/Project/95G_Obsidian/PD-Teams/Software
M0.8.8.4.28.	Result of rough estimation of CODE/RAM/EEPROM size available	yes	SW			Same as Swift. Deviations minimal. Documentation for estimation on Swift not located yet.
M0.8.8.4.29.	Requirements to SW from System Test are available	yes	SW			Same as Swift
M0.6.2.5.29	Risk Management Plan available	yes	SW			
M0.8.8.5.	<b>Signal Processing (SP) Software</b>					Responsible: PL-SP
M0.8.8.5.1.	PL SP has been designated by the department head	yes	SW			PL-SP: Jens Erik Pedersen
M0.8.8.5.2.	Detailed Primavera project plan from M0 to M1 showing dedicated resources by name is available	yes	SW			Based on Swift. No specific activities during this periode. General task defined in Primavera if activities needed.
M0.8.8.5.3.	Rough Primavera project plan from M1 to M3 showing dedicated resources on department level is available	yes	SW			Based on Swift. No activities required. If CR occur, general ongoing task in Primavera is defined.
M0.8.8.5.4.	Product feature list is checked and a list of SP-related features that are achievable by S4 deadline has been derived.	yes	SW			
M0.8.8.5.5.	List of SP-related features has been agreed with the relevant pre-development project leaders.	yes	SW			
M0.8.8.5.6.	SP department resources are available up to M1, reserved up to M3.	yes	SW			
M0.8.8.5.7.	Resources from other departments that are needed to support SP work are available up to M1	yes	SW			
M0.8.8.5.8.	List and status of all relevant SP-related pre-development projects are available. Wherever the I3 / P3 has not yet been declared, a risk assessment and a schedule to achieve I3 / P3 until S2 are available	yes	SW			
M0.8.8.5.9.	Check if RF interface specification is available from platform development. If not, system simulations are to be initiated and completed until M1	yes	SW			
M0.8.8.5.10.	SP Build Manager is appointed. SP configuration management is set up for the product project	yes	SW			
M0.8.8.9.	<b>System Test (ST)</b>					
M0.8.9.	<b>Quality Management: Product Quality</b>					
Checks						
M0.C1	<b>Project specific checkpoints</b>					
M0.C1.1	Needed devices for SW-QA and variant releases added in sample list of PL-T: Figure for needed devices at minimum: B1 4 devices B1+ 4 devices B2 10 devices B2+ 15 devices Pilot 30 devices Please note that it is necessary to have these numbers of devices also added for special operator variants of a device, e.g. Vodafone, T-Mobile, in case of different HW.	yes	SW			Samples devices ordered: A, B1: None B1+ : 9 B2+ : 22 Pilot : 33
M0.S	<b>Summary</b>	QA-P				
M0.S.1	Milestone Assessment rated by QA-P resp. by formula	84%				
M0.S.2	mandatory requirement for assessment	98%				
M0.S.3	Compliance to SQAP	NA				
yes	Assessment of S0 milestone, Requirement Release – Design freeze					
yes	Assessment of M1 milestone, Implementation Release					
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					