MINUTES OF MEETING **SIMMAN 2008** SIMMMAN 2008 Workshop on Verification and Validation of Meeting no. 6: Status June 2007 (executive committee only) Manoeuvring Simulation Methods Participants www.simman2008.dk Fred Stern (IIHR), Kristian Agdrup (FORCE) Date June 25, 2007 FORCE Technology, Denmark No. of pages Minutes taken by Kristian Agdrup (FORCE) Action items 6 No. Responsible **Agenda** 1. KVLCC Captive and Free Model Tests **MOERI** INSEAN **NMRI HSVA BSHC** 2. KCS Captive and Free Model Tests **CEHIPAR NMRI BSHC SVA** 3. 5415 Captive and Free Model Tests FORCE/DMI MARIN **BEC INSEAN IIHR** 4. Systems Based Simulation Methods Comparisons: Instructions and Questionnaire **KVLCC KCS** 5415 5. CFD Based Simulation Methods Comparisons: Instructions and Questionnaire **KVLCC KCS** 5415 6. Detailed Plan for Workshop New date of workshop Instructions for papers and posters Status registration and 2nd call for participation Workshop program Other as needed 1. KVLCC1+2 The status of available data for KVLCC1+2 at the date of the meeting was as follows: **Model tests** 1. MOERI - done, data available PMM app deep 2. INSEAN - done, data available NMRI - done, data available CMT app deep

free model tests	1. HSVA – done, data to be sent(*) MISSING	#1	Cura
	2. CTO – scheduled for May DONE		
	3. MARIN – scheduled for July		
Geometries (iges-files)			
hull	OK		
rudder	iges-file to be checked and sent(*) DONE	#2	Broglia
propeller	1. MOERI – OK		
	2. INSEAN – data to be sent (*) DONE	#3	Broglia
	3. NMRI – data to be sent (*) DONE	#4	Ueno/ Yasukawa
Additional data			
openwater	1. MOERI – data to be sent (*) MISSING	#5	Kim
	2. INSEAN – data to be sent (*) MISSING (MARIN?)	#6	Broglia
	3. NMRI – data to be sent (*) DONE	#7	Ueno/ Yasukawa
resistance &	OK (included in NMRI results)	" 6	
self-propulsion	MOERI may have data also, to be checked MISSING	#8	Kim
(*) All missing data should	I be sent to Agdrup for posting on web site/FTP server		
by end of May 2007.			
Itinerary for KVLCC1+2			
HSVA; April -> CTO; June -	> MARIN; Aug -> BSHC		
25/6-07: MODELS AT MAR	N		
Additionally:			
- INSEAN and MOERI will	#9	Proglic/Vim	
results PENDING			Broglia/Kim
- Stern to contact CTO to discuss specific test program of free model tests			Stern
including possible tests for	#10	JULI	
•	results of HSVA free model tests and emphasized		
	nd recording initial conditions at time of executing		
manoeuvre.			

Model tests					
PMM app deep	CEHIPAR – done, data to be sent(*) DYNAMIC DATA MISSING	#11	Marón		
CMT app deep	NMRI - done, data available	#12	Steinwand/		
free model tests					
Geometries (iges-fil		#13	Milanov		
hull	OK				
rudder	OK				
propeller	1. SVA – OK 2. NMRI – data to be sent (*) DONE	#14	Ueno/ Yasukaw		
Additional data	2. Will data to be sent () Botte				
openwater	SVA - OK				
·	NMRI – data to be sent (*) DONE	#15	Ueno/ Yasukaw		
resistance &	OK (included in NMRI results)	#16	Kim		
self-propulsion	MOERI may have data also, to be checked MISSING				
I tinerary for KCS mo CEHIPAR; April -> BSHO					
additionally to the agre	SVA FORCE	#17	Milanov		
Aug - model transfer to Sept - SVA re-tests Oct - model transfer to Nov - FORCE tests Occ - model return to S Additionally: Kim mentioned need (additionally to the agreests performed at NIPENDING	SVA FORCE VA for having free model tests carried out with high GM-value eed 0.6m) in order to have comparative data to 3 DOF CMT	#17	Milanov		
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inorary	, for 5/15	model							
	/ for 5415 -> MARIN								
Additionally: INSEAN bare hull PMM data to be sent to Agdrup for posting MISSING INSEAN bare hull PMM and UA report to be distributed DONE BEC bare hull CMT report is almost ready and will be sent to Agdrup soon; PIV measurements of wave pattern are being analysed; UA work is in progress PENDING MARIN has decided to perform bare hull PMM and CMT tests, which are scheduled to take place in Sept '07, date to be confirmed PENDING						#21 #22 #23 #24	Broglia Broglia Perdon Quadvlieg		
ne mod	el test pla	an is herel	oy update	d as follow	/S:				
Hull	PMM app. deep	PMM app. shallow	PMM bare deep	PMM bare shallow	CMT app. deep	CMT bare deep	Free app. deep		
KVLCC 1	MOERI (1999) INSEAN (oct 2006)	INSEAN (oct 2006)	-	-	NMRI (dec 2006)	-	HSVA (nov 2006) CTO (may 2007) MARIN (july 2007)		
KVLCC 2	MOERI (1999)	INSEAN (oct 2006)	FORCE/ INSEAN (jan 2006)	FORCE/ INSEAN (jan 2006)	NMRI (dec 2006)	-	HSVA (nov 2006)		
	INSEAN (oct 2006)		BSHC (jul 2007)	BSHC (jul 2007)	MAG		CTO (may 2007) MARIN (july 2007)		
KCS	CEHIPAR (dec 2006)	-	-	-	NMRI (dec 2005)	-	SVA (apr 2006) BSHC (jun 2007)		
5415	FORCE (2000)	-	FORCE (2004) IHHR (2005)	-	-	BEC (sep 2006) MARIN (sep 2007)	MARIN (2000)		
			(2005) MARIN (sep 2007)						
							a is available for nparison at the		
	ns based					or all be	lle. It was		
The proposal for instructions prepared by Quadvlieg will cover all hulls. It was greed that this document should be revised before posting on web site. This was lone directly after meeting by Quadvlieg, Perdon and Agdrup. The latter to write p final version and distribute to others before posting. DONE					#25	Quadvlieg/KP Rhee/Perdon/ Agdrup			
uestior ISSING	nnaire : To	be prepar	ed by Qu	advlieg/Ag	drup and dis	stributed	to others.	#26	Quadvlieg/ Agdrup
ompari	KCS: Qua	2: KP Rhee		ersons is as	s follows:				

coordination by Agdrup		
5. CFD based simulation methods comparison		
As agreed earlier the instructions will be split up into separate guidelines for each hull: KVLCC1+2 – has been prepared by Hino, to be posted CORRECTIONS + INDEX MISSING KCS – test protocol from CEHIPAR PMM tests to be sent by Agdrup to Hino, who will prepare instructions for KCS similarly to KVLCC's MISSING 5415 – has been prepared by Stern, to be posted POSTING MISSING	#27 #28 #29	Agdrup Hino/Agdrup Agdrup
Questionnaire: has been prepared by Hino, to be posted DONE	#30	Agdrup
Comparison: Broglia offered to take the responsibility on comparison of CFD results for KCS. The list of responsible persons is thereby as follows: KVLCC1+2: Hino KCS: Broglia 5415: Gorski coordination by Stern		
6. Detailed plan for workshop		
New date of workshop As a consequence of the fact that not all model test data and most of the instructions for the participants was not available at the date of the meeting, the executive committee proposed to postpone the workshop and thereby the deadline for submittal of data and papers. There was general agreement to move the workshop to Spring 2008. This means that the workshop will take place on:		
April 14 th -16 th 2008		
The new deadline for submittal of data and papers will be December 31 st 2007. The web site will be updated accordingly. The new dates will be announced in the following ways: - e-mail call to participants (2 nd Call for participation, see below) - ITTC News (next issue in June) DONE - web site DONE	#31 #32	Stern Agdrup
Instructions for papers and posters		
To be prepared. It was agreed to re-use procedures from other workshop/conference. MISSING	#33	Stern/Agdrup
Status registration and 2 nd call for participation Agdrup presented a list of the replies to the first Call for participation. Generally the response has been satisfactory and a substantial number of persons have shown interest in the (new) workshop. At the date of the meeting, a total of 26 persons/groups have indicated that they definitely intend to participate and other 17 persons/groups have indicated that they may possibly participate. Most of these intend to participate using several hulls and many using more than one method. The estimated number of participants is still around 70 persons.		
The 2 nd Call for participation will be sent out no later than June 30 th and should include mention of new workshop date and deadlines. PENDING	#34	Stern/Agdrup
Update of web site and FTP server All test data as well as missing instructions should be available on web site/FTP server no later than June 30 th .		
STILL SOME DATA MISSING: KCS PMM (CEHIPAR) + ALL FREE EXCEPT SVA	#35	Agdrup
Workshop program		

The program for the 3-day workshop was revisited and discussed briefly with no substantial modifications. At present there is no person appointed to present the overview of model tests for KCS. Stern to ask Steinwand/SVA and/or Ueno/NMRI. DONE	#36	Stern
7. Action items from previous meeting		
The status of action items from Meeting No. 4 (see simman2007.dk) was checked.		
Those items not finalized or covered elsewhere in these Minutes are as follows:		
#21 – CFD instructions: propose plots to replace derivatives MISSING	#37	Cura
#22 – CFD instructions: add background – skipped		
#24 – INSEAN shallow water PMM problems – report almost ready DONE	#38	Broglia
#25 – possible free model tests in Japan – skipped		
9. Next meeting		
Jan 19 th 2008 at MARIN, Holland (directly after ITTC MC meeting)		