

## NORWEGIAN MARITIME DIRECTORATE

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		CIR	CULAR no. 4/2004
Category			
		Jrn. number	: A200404773/BOH/
Operational	Nautical		
Tr1	V Other	Date:	4. May 2004
Technical	X Other	Sign.	P. M. Indreeide
-	<i>O, -</i>		ne employment, Working
Arrangements and	l Rest Hours and surve	ev of Operational	Arrangements.

This Circular is valid from June 1<sup>st</sup> 2004 and supersedes NIS Circular no. 6/2002. This survey shall be carried out by the Classification Society at change of flag, annually in connection with the Cargo Ship Safety Equipment surveys and at unscheduled inspections.

# 1. Stipulation of Safety Manning

The Norwegian Maritime Directorate (NMD) stipulates the minimum safe manning on Norwegian ships, and a Safe Manning Certificate is issued accordingly.

NMD may issue recommendations related to Operational Arrangements when issuing the Safe Manning Certificate. These recommendations are to be followed up by the Classification Society within the given expiry date and verified in writing to NMD when they have been complied with.

# 2. Survey of Manning and Qualifications

The Surveyor shall verify that the requirements in the Safe Manning Certificate are met, and that the regulations are satisfied. A "Manning Survey Check List" as modelled by the NMD shall be used. The Master shall make a "Summary of Qualifications of Ship's Personnel" or a form containing the same information available to the surveyor. NMD requires an up to date record of certificates and qualifications for all officers and crewmembers to be kept on board. The surveyor shall base his control on this form and carry out spot checks of the documents. Certificates, Qualification Documents, Certificates of Receipt of Application (CRA's), Health Certificates and Employment Agreements shall be readily available for inspection. The aim is to verify that the documents are available, valid and meet the minimum requirements of the Safe Manning Certificate.

# 3. Survey of Automatic Pilot System (including Off Course Alarm), Internal Communication System (Internal Calling System), Personnel Alarm (Dead man's alarm) and UMS Alarms (Unattended Machinery Spaces), or other equipment pertinent to the Safe Manning Certificate.

On ships navigating without a person at the helm, the automatic pilot system including off-course alarm and the internal communication system shall be surveyed, function tested and approved by the classification society, cf. Safe Manning Certificate two check-boxes.

For ships maintaining a one-man watch in the engine room, the personnel alarm shall be surveyed, function tested and approved accordingly, cf. Safe Manning Certificate check-box.

If the equipment has not already been approved by NMD, if a survey for verification and approval is requested by the owner or the ship's master, it is to be surveyed according to a check list, cf. Attachment 2 to this circular, "Annex to Manning Survey Check List" modelled by NMD. A check list is to be filled in and sent the Classification Society's Head Office for review. If in order, the Head Office shall issue a letter of approval to the owner. The approval letter is to be kept onboard and a copy shall be sent NMD.

During subsequent manning surveys the equipment is to be function tested only. The aim is to ensure that all equipment relative to the Safe Manning Certificate function as intended. If not, manning shall be increased as specified in the letter accompanying the Safe Manning Certificate, cf. Manning Survey Check List – Operating Arrangements.

# 4. Shipboard Working Arrangements and Record of Hours of Rest.

Shipboard working arrangements shall be displayed onboard. Hours of rest for all shall be recorded. The Master shall verify the amount of rest in periods of 24 hours and 7 days.

The Surveyor shall verify that working arrangement is displayed, verify that hours of rest are being registered and controlled on board, and then verify this by a stamp and sign on the form(s) checked. Deficiencies should be reported to NMD. The aim is to ensure that mandatory rest hours are complied with for all seafarers on board, and to prevent any person, unqualified by insufficient rest, from taking part in watch-keeping duty.

# Check List - legal references:

## **Manning:**

- 1. Reg. 17.03.87 The Manning of Norwegian Ships.
- 2. Reg. 9.05.03 Qualification Requirements, Issue of Certificates and Certificate Rights
- 3. Reg. 4.08.00 Working environment, Safety and Health for seafarers, Chapter 7.
- 4. Reg. 8.07.02 Working Arrangements, Registering and Control of Hours of Rest, §§ 5,7(1). Manning § 5, 3.
- 5. Reg. 25.11.88 Supervision of Maritime Service, § 3.

## **Individual Certification and Competence:**

6-12 Reg. of 9.05.03 Qualification Requirements, Issue of Certificates and Certificate Rights.

## **Operating Arrangements:**

13-17 Reg. 15.09.92 Operating Arrangements, Reg. 17.03.87 Manning §11, IMO res. A.342 (IX), A.830 (19)

## **Human Resource Management**

- 18. Reg. 3.02.86 Employment Agreement and settlement of Wages Form. ILO 22 (Seamen's Articles of Agreement
- 19. Reg. 25.11.88 Supervision of Maritime Service
- 20. Reg. 19.10.01 Medical Examination of Employees on Ships. ILO 73 Medical Examination (Seafarers), 1946.
- 21. Reg. 25.11.88 Supervision of Maritime Service.
- 22. Reg. Working Arrangements, Registering and Control of Hours of Rest, § 6.
- 23. Reg. Working Arrangements, Registering and Control of Hours of Rest, § 8.(1).

Codes and Conventions: STCW78, as amended '95, The ISM Code, ILO 134, article 7. Prevention of accidents (Seafarer) Convention, 1970, ILO 180 Seafarers' hours of work and the Manning of ships Convention, 1996.,

# **Attachments:**

- 1. Manning Survey Check List.
- 2. Annex to Manning Survey Check List.
- 3. Model format of a "Summary of Qualifications of Ship's Personnel"
- 4. Model format of a "TABLE OF SHIPBOARD WORKING ARRANGEMENTS"
- 5. Model format of a "RECORD OF HOURS OF REST OF SEFARERS".



Place:

Date:

# **Manning Survey Check List**

To be carried out in connection with the change of flag, annually and unscheduled inspections according to NIS-Agreement. To facilitate the checking of details of all items in this check list, the Master shall present a "Summary of Qualifications" etc. of Ship's personnel.

	•				
Nar	me of Ship:	Signal Letters:	IMO Number:		
Typ	e of survey:	Type of ship:			
to b	FICIENCIES: On items marked <sup>1</sup> recommendations made given 2 months time limit. When items marked <sup>2</sup> are noted and accompanying letter.				
MA	NNING:			Yes	No
1	The number and positions are at least as the minimum s	stated in the Safe Manning Certific	cate. 1		
2	Master is a Norwegian Citizen, EEA Citizen, or he has	an exemption by NMD. 1			
3	Protection Supervisor and Environment Committee hav	ve been elected.			
4	Safe Manning Certificate, Working Arrangement, are d	lisplayed in a public place.			
5	Master's "Summary of Qualification" or a similar list				
INI	DIVIDUAL CERTIFICATION AND COMPETENCE				•
6	Norwegian Certificate of Competency <sup>1</sup> , or				
7	Exemption from the certificate requirements <sup>1</sup> , or				
8	Other Certificate, together with a valid CRA. <sup>1</sup>				
9	ROC/GOC for officers in charge of navigational watch	. 1			
10	Tanker Certificate for officers and ratings assigned spec	cific duties and responsibilities. 1			
11	Ratings on navigational/engine room watch, authorized	l cf STCW-95, reg. II/4, III/4. <sup>1</sup>			
12	Basic Safety Training according to STCW-95, reg. VI/	1. <sup>1</sup>			
OP	ERATING ARRANGEMENTS:				1
13	Automatic Pilot System, including Off Course Alarm. <sup>2</sup>	2			
14	Internal Communications <sup>2</sup>				
15	Personnel Alarm <sup>2</sup>				
16	Unmanned engine room – UMS alarms and equipment	as per Class notation <sup>2</sup>			
17	Other, Bridge Watch Alarm - not compulsory if not spe	ecified.			
HU	MAN RESOURCE MANAGEMENT:				1
18	Employment Agreement on an approved form.				
19	Report on Employment etc., signed and stamped by a p	public supervisory authority.			
20	A valid Health Certificate.				
21	Sea Service Book or Record of Service on Norwegian S	Ships.			
22	Record of Rest Hours, as per model form equipment.				
23	Rest Hours prior to Watch keeping, cf. fitness for duty The Surveyor shall verify registration of rest hours on a				
Ren	narks:				

Surveyor:



# Annex To Manning Survey Check List

To be completed at initial surveys only and forwarded to the Classification Society Head Office. Not to be filled in at annual surveys. Reference is made to NMD reg. in force concerning operating Arrangements on Norwegian Ships, Sections 8, 9, 10, 11 and 12.

				Yes	No
	apter IV Watch arrangements fo attended Machinery Spaces and		-9:		
1	Does the ship operate with period	dically unmanned engine	room?		
2	Is Class Notation awarded?				
	apter V Operational aids and fu sonnel Alarm (Dead Man's Ala			,	
1		been acknowledge from the	avigating bridge, in the officers cabins, mess rooms the machinery spaces? Is the alarm automatically n.?		
2	Is a pre-warning signal provided Shall be activated 3 min. before		ection 1.		
3	Confirm that the alarm system is	s put into operation in the	following way:		
3.1	Automatically, when person on o	luty has to attend machine	ery spaces in case of a machinery alarm?		
3.2	Manually by the person on duty	when attending machinery	y spaces on routine checks?		
4	Is disconnection, before the person	on have left the machinery	y spaces, made impossible?		
5	When the alarm system is actival the person on duty has acknowle		ossection 3.1, is disconnection made impossible before hinery spaces?		
Aut	tomatic Pilot System, § 11: Surv	ey of Automatic Pilot Sy	stem including Off-Course alarm		
1	Change-over-controls are close t	o each other in the immed	iate vicinity of the main steering position?		
2	Clear indication is provided to sh	now which method of stee	ring is in operation at any moment?		
3	A course monitor activates an "o	ff course" audible alarm s	ignal after a course deviation?		
4	Information needed for the cours (independent source means a sep		m an independent source agnetic compass or a gyro compass).		
5	Are alarms signals, both audible (A reduction in power supply to equipment).		der to indicate failure? monitor if it has an effect on the safe operation of the		
6	Are means incorporated to enabl	e rudder angle limitation i	n the automatic mode of the operation?		
7	Does it indicate when the rudder	angle of limitation has be	en reached?		
8	Are means incorporated to preve	nt unnecessary activation	of the rudder due to normal yaw motion?		
Inte	ernal Communication System §	12:			
1			nates' cabins, cabins for deck hands and the cabins nal watch and all mess rooms and recreation rooms?		
2	Are means provided to send a ca recreation room, including a con		oridge to each individual cabin, mess room and o-way speech?		
3	Are arrangements such that person	ons lying down must get u	p to answer the call signal and to speak?		
4	Does navigation bridge have prid (If the system is dependent on, o		mmunication on board)		
5	Is the system connected to the m radio station) and does it have au		r source (not the emergency power source for the main source of power fails?		
Ren	narks:	-			
Plac	ce:	Date:	Surveyor:		



# Model format - Summary of qualifications etc. of ship's personnel

#### MASTER'S RECORD

Ship's name			IMO-no.		Date	Place									to be used:		
												$X = I_1$	n order, R	R = Not in	order, NA	x = Not ap	plicable
State category of ship: Passenger ship  Tanker	Other:				Have Protect	on Superv. and I	Environme	ent	Has Master	, other tha	n Norwegi	ian- or EE	A Citizen,	F	mployment	Palations	hin
State eategory of ship. I assenger ship	Other.				Committee be	en elected?			valid exemp	tion from	Norw. Ci	tizenship:		L	inproyment	Kelations	
Name of officers	Position	Nationality	Date of birth	Certificate of or Qualification	competency on document	CRA	Tankerı	man Cert.	Radio- operator	Boat- man	ССМ	Lang-	Record of hours	Employ- ment	Report on Employ-	Valid health	Sea Service Book/
Certificated personnel	Fosition	Nationality	Date of office	Class	Date of expiry	Date of issue	High grade	Low grade	cert. ROC/GOC	cert.	CCM	uage req.	of rest	Agree- ment	ment etc.	cert.	Record of serv.
	Master																
	C/O																
	10ff.*																
	2.Off.**																
	C/Eng.																
	1.Eng.*																
	2.Eng **																
Name of crew members					Qualification												
Non certificated personnel				Navigational / Engine watch													
										_							

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<sup>\* 2&</sup>lt;sup>nd</sup> engineer officer, see STCW-78, Reg. I/1 \*\*Deck/Engineer officer in charge of the watch, see STCW-78, Reg. II/4 and III/4.

Personali	a					Qual	ifications	etc.					E	Employment	relationsh	ip:
Name of crew members Non certificates personnel	Position	Nationality	Date of birth	Navigational / Engine watch	Basic safety training	Tankerm High grade	Low	Radio- operator cert. ROC/GOC	Boat- man cert.	ССМ	Lang- uage req	Record of hours of rest	Employ- ment Agree- ment	Report on Employ- ment etc.	Valid health cert.	Sea Service Book/ Record of serv.
Date	Signature of Mas	ter	ı		l	l	l	1			I	ı				ı



#### **Explanatory notes**

This summary of qualifications etc. of ship's personnel is mandatory and shall be filled in by the master and always kept updated. The list shall be presented at every manning control on board. Documentation of all information in the list must always be at hand in case check of documents is required. List shall <u>not</u> be forwarded to the Norwegian Maritime Directorate.

Protection Supervisor: Working environment, health and safety of workers on board ship. Ships with 8 persons or more, shall have Protection Supervisor and a Protection and Environment Committee. On supervisory visits and other inspections or examinations concerning the environment on board, the Protection Supervisor shall participate if possible. Cf. Reg. 4 09. 2000

<u>Certificate of Competency</u>: Master is responsible that all certificated personnel hold valid and adequate
Certificates of Competency/Endorsement, or Qualification
Documents or Certificates of Receipt of Application (CRA is valid 3 months from date of issue). Cf. Reg. of 9 May 2003 no.
687 concerning qualification requirements and certificate rights for personnel.

#### Restricted/General Radio Operator's Certificate.

(ROC or GOC). Officers in charge of navigational watch shall as minimum hold a ROC. In trade areas beyond A1 at least 2 persons shall hold GOC certificates. Cf. Radio Reg. of 27.01.99, § 16.3.

Navigational/Engine watch: Ratings forming part of navigational- or engineroom watch, at least the number of deck/engine ratings stated in the Manning Certificate, shall be authorized according to the requirements in Reg. II/4 or III/4 in STCW-78 as amended. Cf. Reg. no 687 § 3-2 (4).

**Basic Safety Traning:** On ships of more than 500 GT, or ships in foreign trade, all personnel shall have basic safety training according to STCW-78 as amended. Cf. Reg. no. 687, §2-1.

Tankerman qualifications: On ships carrying oil, chemicals or gas the Master, Chief Officer, Chief Engineer, First Engineer (Second Engineer) and others with responsible duties shall have Tankerman Certificate of highest grade or Norwegian endorsement, for the actual type of tanker. A CRA may be issued. Personnel who assist in cargo handling shall at least have a national Tankerman Certificate Lowest grade, for the actual type of tanker. Tankerman Certificate Lowest grade does not require Norwegian endorsement.

Boatman Certificate: Requirements according to Reg. of 15.09.92 Life Saving Appliances in Passengers and Cargo Ships, Sec. 12. Qualification requirements according to STCW as amended VI/1. Ship's personnel except deck and engine officers, who are specified in the ship's emergency instruction to be in charge of a survival craft (boat commander, in case of life boats also a second-in command), shall be in possession of Boatman Certificate. (Certificate of Proficiency in Survival Craft).

#### **CCM.** Crisis Control Management:

Master, officers, crew and other personnel on board RoRo-Passenger ships shall be trained in accordance with Reg. V/2 and on other passenger ships in accordance with Reg. V/3 of the STCW-78 convention as amended.

Language Requirements: Certificated personnel shall have language qualifications according to Reg. of 9 May 2003 no. 687 § 8-4 (3) concerning application of endorsement, and noncertificated personnel shall have language qualifications. Cf. Reg. of 9 May 2003 § 2-2 language skills and familiarity with

legislation. IMO Standard Marine Communication Phrases (SMCP).

#### **Shipboard Working Arrangements:**

Shall be conveniently displayed on board, cf. model form enclosed (alternative forms may be used). Cf. Reg. Shipboard Working Arrangement and Registration of Hours of rest, of 8.07.02, § 6.

Hours of Rest: All Seafarers on board a Norwegian ship, including the Master, shall keep record of hours of rest, cf. § 6, Model form available from NMD, alternative forms may be used. The Master or his appointed shall control rest periods in any 24 hours and 7 day period. On control the an updated record shall be verified by the Authority.

Employment Relationship: Employment Agreement and Report on Seamen etc. shall be signed and stamped by a Norwegian foreign service station or by a specifically designated employment office in Norway in connection with public supervision at the commencement of service. Cf. Regulations of 25 November 1988 concerning supervision of maritime service.

**Health Certificates:** On approved form by NMD except EEA Citizens. Validity 2 years for persons age 18 -50, other 1 year.

Sea Service Documentation: Norwegians and non Norwegian nationals shall have Sea Service Books. Non Norwegian nationals shall have "Record of Service in Norwegian Ships"



# Model format table of shipboard working arrangements<sup>1</sup>

Name of ship:					Signal letters:													
Flag of ship:					IMO-number, if any:													
Latest update of table:					Page off													
						ILO's Seafarer's Hours of Work and the Manning of Ships Convention 1998 (cation and watchkeeping for seafarers, as amended, (STCW Convention) <sup>2</sup> .												
Minimum hours of rest:			Other requirements:															
	Scheduled daily	work hours at sea	Scheduled daily	work hours in port		Total daily	rest hours											
Position/rank <sup>3</sup>	Watchkeeping (from-to)	Non-watchkeeping duties (from-to) <sup>4</sup>	Watchkeeping (from-to)	Non-watchkeeping duties (from-to)	Comments	At sea	In ports											
Signature of master:																		

The terms used in this model table, cf directive 1999/95/EC annex I , are to appear in the working language of the ship and in English. See overleaf for selected extracts from ILO Convention No 180 and the STCW Convention.

For those positions/ranks that are also listed in the ship's safe manning document, the terminology used should be the same as in that document.

For watchkeeping personnel, the comment section may be used to indicate the anticipated number of hours to be devoted to unscheduled work and any such hours should be included in the appropriate total daily work hours column).

#### SELECTED TEXT FROM ILO CONVENTION No 180

#### Article 5

- 1. The limits on hours of work or rest shall be as follows: (a) maximum hours of work shall not exceed: (i) 14 hours in any 24-hour period; and (ii) 72 hours in any sevenday period; or b) minimum hours of rest shall not be less than: (i) 10 hours in any 24-hour period; and (ii) 77 hours in any seven-day period.
- 2. Hours of rest may be divided into no more than two periods, one of which shall be at least six hours in length, and the interval between consecutive periods of rest shall not exceed 14 hours.
- 6. Nothing in paragraphs 1 and 2 shall prevent the Member from having national laws or regulations or a procedure for the competent authority to authorise or register collective agreements permitting exceptions to the limits set out. Such exceptions shall, as far as possible, follow the standards set out but may take account of more frequent or longer leave periods or the granting of compensatory leave for watchkeeping seafarers or seafarers working on board ships on short voyages.

## Article 7

- 1. Nothing in this Convention shall be deemed to impair the right of the master of a ship to require a seafarer to perform any hours of work necessary for the immediate safety of the ship, persons on board or cargo, or for the purpose of giving assistance to other ships or persons in distress at sea.
- 3. As soon as practicable after the normal situation has been restored, the master shall ensure that any seafarers who have performed work in a scheduled rest period are provided with an adequate period of rest.

#### SELECTED TEXT FROM STCW-Convention

## Section A-VIII/1 of the STCW Code (Mandatory)

- 1. All persons who are assigned duty as officer in charge of a watch or seafarer on watch shall be provided with a minimum of 10 hours' rest in any 24-hour period.
- 2. The hours of rest may be divided into no more than two periods, one of which shall be at least six hours in length.
- 3. The requirements for rest periods laid down in paragraphs 1 and 2 need not be maintained in the case of an emergency or drill or in other overriding operational conditions.
- 4. Notwithstanding the provisions of paragraphs 1 and 2, the minimum period of 10 hours may be reduced to not less than 6 consecutive hours provided that any such reduction shall not extend beyond two days and not less than 70 hours of rest are provided each seven-days period.
- 5. Administrations shall require that watch schedules be posted where they are easily accessible.

## Section B-VIII/1 of the STCW Code (Guidance)

- 3. In applying Regulation VIII/1, the following should be taken into account:
- .1 provisions made to prevent fatigue should ensure that excessive or unreasonable overall working hours are not undertaken. In particular, the minimum rest periods specified in Section A-VIII/1 should not be interpreted as implying that all other hours may be devoted to watchkeeping or other duties;
- .2 that the frequency and length of leave periods, and the granting of compensatory leave, are material factors in preventing fatigue from building up over a period of time.
  - the provision may be varied for ships on short sea voyages, provided special safety arrangements are put in place.

KS-0301 E (2004.04, NMD)



# Record of hours of rest of seafarers

Name of ship:	Signal letters:		
Flag of ship:	IMO-number, if any:		
Seafarer (full name):	Position/rank:		
Month and year:	Watch duties	Yes	□No
Record of hours of rest			
Mark periods of rest using a continous line or arrow. Complete the table on page 2.			
The following national laws, regulations and/or collective agreements governing limitations of minimum rest periods apply to this shi	):		
I agree that this record is an accurate reflection of the hours of rest of the seafarer concerned.			
Name of Master or person authorized by master to sign this record  Signature	re of master or authorized	person	
Signati	re of seafarer		
A copy of this record is to be given to the seafarer and to the company			
This form is subject to examination and endorsment under procedures established by the Norwegian Maritime Directorate			

KS-0301 E (2004.04. NMD)



Year/N	Iont	th (y	ууу	/mn	ı):			Year/Month (yyyy/mm):								Please mark periods of rest using a continous line or arr														e or a	arrow	Not to be com the seafa	
Hours	0 0:	1 0	2. 0	3 0	4 0	15 (	)6	07	08	0	9	10	11	12	13	3 1	4	15	16	17	1	8	19	20	21	20	2. 1	23 2	24	Hours of rest in		Hours of rest in any	Hours of rest, in any
Date																	•		Ī	Ī				Ī						24-hour period	Comments	24-hour period <sup>2</sup>	7-day period <sup>2</sup>
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<sup>&</sup>lt;sup>1</sup> For completion and use in accordance with the procedures established by the competent authority in compliance with the relevant requirements of ILO Convention No 180 on Seafarer's Hours of Work and the Manning of Ships Convention 1996.

KS-0301 E (2004.04. NMD)

<sup>&</sup>lt;sup>2</sup> Additional calculations or verification may be necessary to ensure compliance with the relevant requirements of ILO Convention No 180 on Seaferer's Hours of Work and the Manning of Ships Convention 1996 and the International Convention on Standards of Training, Certification and Watchkeeping, 1978, as amended.