



## Statement of Compliance for REST MANAGER 4.0

Office: **Lloyds Register EMEA - Copenhagen**

Date: **07 December 2018**

This Statement is issued to SEAPAY ApS

Vandtårnsvej 62 A  
DK-2860 Søborg  
Denmark

CVR: 31054680

This Statement is issued for the information of interested parties to indicate compliance of "REST MANAGER , Release 4.0" with guidelines and standards recommended by the Organisation, and to the STCW Code (as amended) Section A-VIII/1 Fitness for duty, ILO MLC 2006 and OPA 90.

Particulars of the software:

Make: REST MANAGER , Release 4.0.

Description: Registration and reporting of resthours as per requirement of STCW / ILO MLC2006/ OPA 90



Identification: REST MANAGER , Release 4.0.

This is to certify:

That the "REST MANAGER , Release 4.0" and Resthour Log Sheet and Work Hour Schedule has been reviewed in accordance with the guidelines and standards recommended by the Organisation, and to the STCW Code (as amended) Section A-VIII/1 Fitness for duty, ILO MLC 2006 and OPA 90-

That the Review showed that the documentation of the content and demonstrated user interface in all respects is satisfactory and the practises used complies with the Marine industry practise used for Rest Hour Registration Form and methods.

Issued at: **Copenhagen, Denmark**  
On: **07- December 2018**

  
**Lloyd's Register EMEA**  
Jens Nielsen  
Copenhagen Office  
 Lloyd's Register

Surveyor to Lloyd's Register EMEA

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**Title / Front Page**

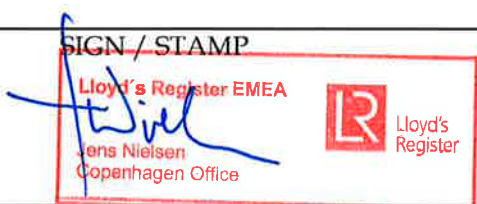
COMPANY		Review Completion date
Name	SEAPAY ApS	07 December 2018
Address	Vandtårnsvej 62 A	
City, Zip	DK-2860 Søborg	Company ID: CVR: 31054680
Country	Denmark	

Surveyor and Client		Review details
Surveyor / Auditor name	Nr	Review Location
Jens Nielsen	424035	Client office and Lloyd's Register EMEA, Copenhagen
Client name		Review type
Erik Schmidt		Review of Rest Hour registration software
Client title		Review nr.
Senior Consultant, Partner		1
		Review / Audit time (hrs)
		one manday (8 hrs)
		Document Reference
		REST MANAGER , Release 4.0.

Service Request / Scope
Review of Electronic Rest Hours registrations software "REST MANAGER" , Release 4.0.

Observations / Findings
The company should be aware that any findings and observations in the report identified as outstanding has to be dealt with to the satisfaction of the surveyor prior to positive conclusion and subsequent issue of certificate. Subject to the signed contract or service request form in place, subsequent review as result in findings can require additional review time to obtain positive conclusion and compliance statement.

Conclusion
The Review showed that the "REST MANAGER , Release 4.0", complies with the Marine industry practise used for registration of Rest Hours, and take into account the standards required by the STCW Code (as amended) Section A-VIII/1 F, ILO MLC 2006 and OPA 90. A Statement of Compliance is subsequent issued.

<input checked="" type="checkbox"/> Supporting Documents	<input checked="" type="checkbox"/> Certificate of Compliance(s)
Surveyor / Auditor Jens Nielsen Nr 424035	<p><b>SIGN / STAMP</b></p>  <p>Lloyd's Register EMEA Jens Nielsen Copenhagen Office</p>
07 December 2018	

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## REVIEW LOG/NARRATIVE

Name of Company	SEAPAY ApS
Review Location	Client office and Lloyd's Register EMEA, Copenhagen
Review of Rest Hour registration software	
<p><b>Review of previously reviewed electronic rest hours registration tool SEAMANAGER - Rest Hour section release 4.0 (CPN 1430033, CPN 1631383 and CPN 1831173).</b>  <b>The Present software release is made as a stand-alone software and named "REST MANAGER , Release 4.0" can be integrated into other software sections by SEAPAY ApS.</b></p>	
Final details for Statement of Compliance:	
Name and ID of software:	REST MANAGER , Release 4.0.
Description:	REST MANAGER Registration and reporting of resthours as per requirement of STCW (as amended)/ ILO MLC2006/ OPA 90.
Changes:	<p>The release number be changed only if changes to calculation of rest hour compliance, definition of deviations/non compliances or similar changes are carried out. In case of such cases this statement becomes invalid.  A renewal of the Compliance statement would be required for validity at changes to legal requirements.  Minor changes to the layout (e.g. inserting of a customer Logo for a client of SEAPAY, minor editorial changes to forms), do not need re-approval.</p>
Registration of Work and Rest:	Are logged by an APP via Biometric Means, (or other means as agreed between SEAPAY ApS and the customer ).
<p>Description of legislation and description of calculation are attached as a document specified by the client , and samples from life test ( 07 month onboard a tanker) and samples chosen by the Assessor was used for this verification.</p>	
<p>The Review showed that the documentation of the content , and demonstrated user interface in all respects is satisfactory and the practises used comply with guidelines and standards required.</p>	
<p>The Statement of Compliance no CPN 1832250 has consequently been issued.</p>	
<p>Regarding validity of the Compliance statement: A renewal of the Compliance statement would be required for validity at changes to legal requirements, or changes to the software affecting the version content and end-user interface, as described under "Changes" above.</p>	
*** 0 ***	
Date	07 December 2018
Surveyor/ Auditor Number	424035
Name of Surveyor/ Auditor	Jens Nielsen

**CHAPTER VIII**

**Standards regarding watchkeeping**

**Section A-VIII/1**

2. All persons who are assigned duty as officer in charge of a watch or as a rating forming part of a watch and those whose duties involve designated safety, prevention of pollution and security duties shall be provided with a rest period of not less than:

- .1 a minimum of 10 hours of rest in any 24-hour period; and
- .2 77 hours in any 7-day period.

3. The hours of rest may be divided into no more than two periods, one of which shall be at least 6 hours in length, and the intervals between consecutive periods of rest shall not exceed 14 hours.

9. Parties may allow exceptions from the required hours of rest in paragraphs 2.2 and 3 above provided that the rest period is not less than 70 hours in any 7-day period.

Exceptions from the weekly rest period provided for in paragraph 2.2 shall not be allowed for more than two consecutive weeks. The intervals between two periods of exceptions on board shall not be less than twice the duration of the exception.

The hours of rest provided for in paragraph 2.1 may be divided into no more than three periods, one of which shall be at least 6 hours in length and neither of the other two periods shall be less than one hour in length. The intervals between consecutive periods of rest shall not exceed 14 hours. Exceptions shall not extend beyond two 24-hour periods in any 7-day period.

**MARITIME**  
**LABOUR CONVENTION, 2006**  
**(ILO180)**

**Regulation 2.3 – Hours of work and hours of rest**

**Standard A2.3 – Hours of work and hours of rest**

5. 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 seven-day period;

or

(b) minimum hours of rest shall not be less than:

(i) ten hours in any 24-hour period; and

(ii) 77 hours in any seven-day period.

6. 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.

**46 U.S. Code § 8104 – Watches (OPA 90)**

(n) On a tanker, a licensed individual or seaman may not be permitted to work more than 15 hours in any 24-hour period, or more than 36 hours in any 72-hour period, except in an emergency or a drill. In this subsection, “work” includes any administrative duties associated with the vessel whether performed on board the vessel or onshore.

# SEAMANAGER

## Standard rules:

- a) All 5-minute periods are defaulted as work.
- b) All 5-minute work periods are validated.
- c) Minimum rest hours in any 7-day period: 77 hours (77-hour rule).
- d) Minimum rest length for 1 rest period: 6 hours (6-hour rule).
- e) Minimum rest hours in any 24-hour period: 10 hours in no more than two periods (10-hour rule). Note: A third period can be included in calculations by changing the configuration,
- f) Minimum length of period to be counted as rest: 60 minutes (1-hour rule). Note: Shorter length can be accepted by changing the configuration,
- g) Maximum work hours between rest: 14 hours (14-hour rule).
- h) Validation is only done on work periods.
- i) Only periods between sign on and (expected) sign off are validated and included in calculations.
- j) 6-hour and 10-hour rules not validated for the first 24-period after sign on
- k) 77-hour rule is not validated for the first 7-day period after sign on.
- l) Registrations are made via Check IN / OUT registrations using an App.
- m) Periods between two registrations will be set to match the type of the first registration, i.e. when first registration is a Check IN the periods in between will be Work.
- n) System is running in UTC, but all user interaction is shown in Ship's Time. Ship's Time can be adjusted via the 'Time Adjustment' function.

## Special rules:

### OPA 90:

This rule applies while in US waters.

- o) Maximum work periods in 3 days: 36 hours.

### STCW 2010 amendments ("Manila amendments"):

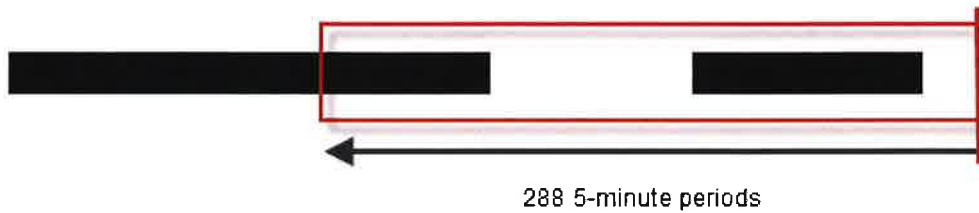
Allowed exceptions, if activated:

- p) 77-hour rule: Minimum of 70 hours of rest in any 7-day period is approved, if:
  - a. 77-rule is the only rule violated.
  - b. Exceptions are only allowed for up to two consecutive 7-day periods.
  - c. Intervals between two periods of exceptions must be at least twice the duration of the exception.
- q) 10-hour rule: A third rest period to be included is approved, if:
  - d. 6-hour rule is not violated.
  - e. None of the periods are less than 60 minutes.
  - f. 14-hour rule not violated.
  - g. 77-hour rule (with exception) is not violated.
  - h. Exception does not extend beyond two 24-hour periods in any 7-day period.

Any 24-hour period:

A 24-hour period equals 288 5-minute periods.

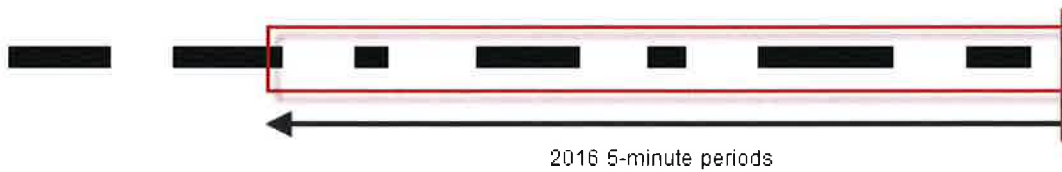
Only rest periods with minimum length of 60 minutes are included as rest, see Short Breaks.



Any 7-day period:

A 7-day period equals 2016 5-minute periods.

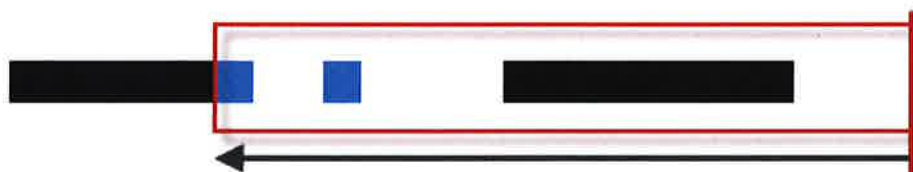
Only rest periods with minimum length of 60 minutes are included, see Short Breaks.



Work period (14-hour rule):



Short Breaks (1-hour rule):



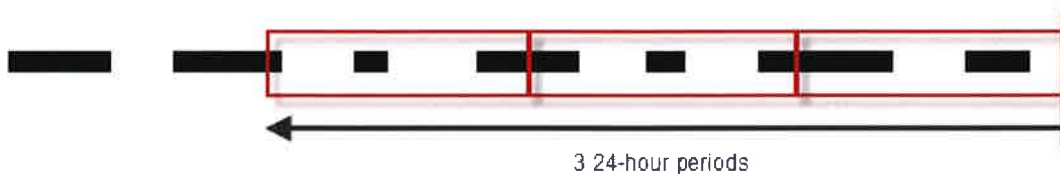
Blue periods ("Short Breaks") are periods less than 60 minutes; i.e. these are considered work periods.

10-hour rule:

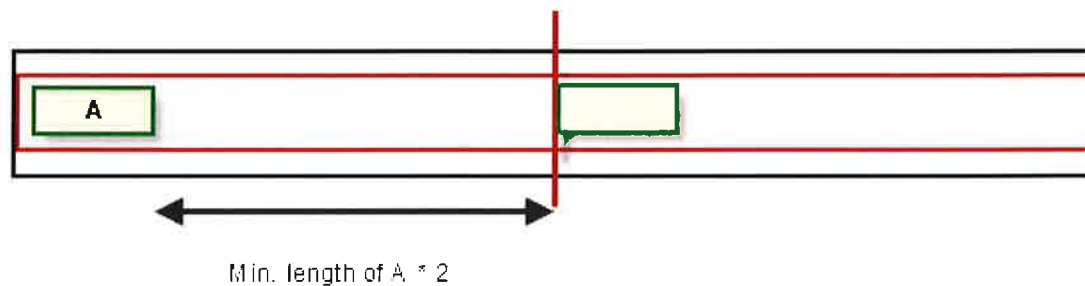
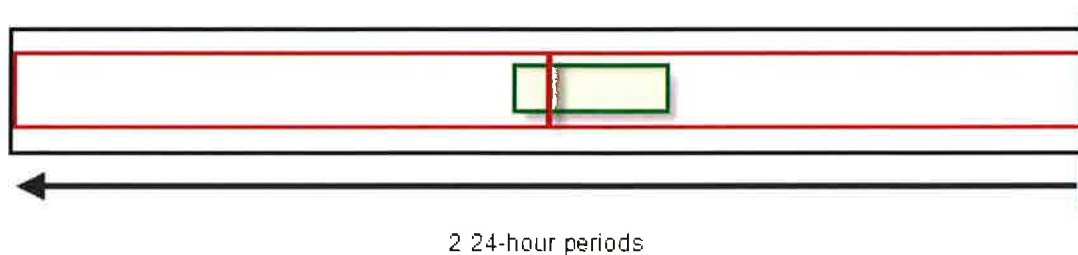


Maximum two periods (longest) are included as default. If 10-hour exception is used a third period can be included.

OPA 90:

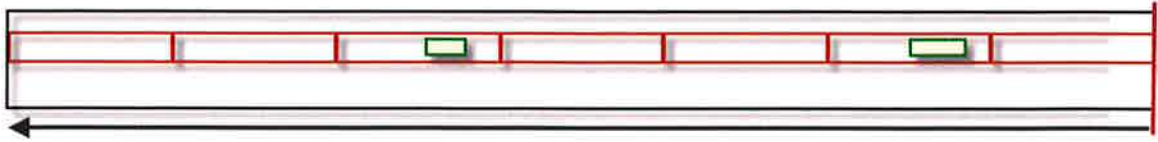


77-hour exception:





10-hour exception:



7 24-hour periods

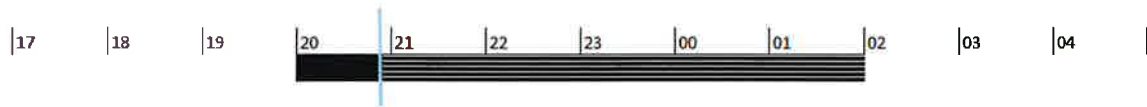
### Example 1:

#### Situation:

Current time is 20:55 and Crew have been resting since 20:00 and is planned for resting until 02:00.

Rest period according to the plan is 6 hours long.

This rest period is the only period that meet the requirement for the 6-hour rule while validating the work period from 02:00 to 02:05 and onwards.



Crew is called on duty at 20:55 to attend an alarm.

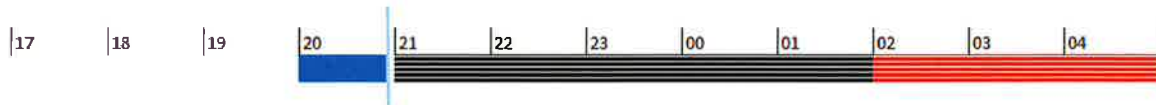
#### Result:

The rest period will be divided into 2 periods at the time of Check IN:

1. 20:00 to 20:55.
2. 21:00 to 02:00.

Since the first period is less than 60 minutes, it will be considered a work period/short break and thus, not a rest period.

Crew will thus be violating the 6-hour rule at 02:00 if the plan is followed.



To avoid violating the 6-hour rule crew must continue resting to at least 03:00, depending on the length of the work period.

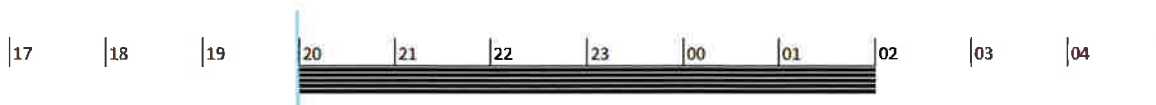
**Example 2:**

Situation:

Current time is 20:00, crew is working and Crew is planned to be been resting from 20:00 to 02:00.

Rest period according to the plan is 6 hours long.

This rest period is the only period that meet the requirement for the 6-hour rule while validating the work period from 02:00 to 02:05 and onwards.

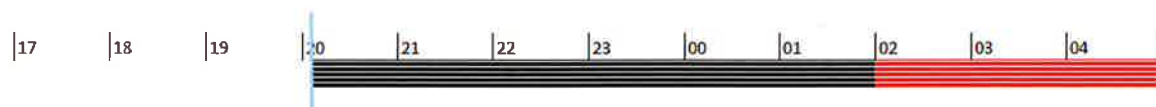


Crew continues working until 20:05 when he/she Check OUT (5 minutes late).

Result:

The rest period will only be 05:55 long.

Crew will be violating the 6-hour rule at 02:00 if the plan is followed.



To avoid violating the 6-hour rule crew must continue resting to at least 02:05.

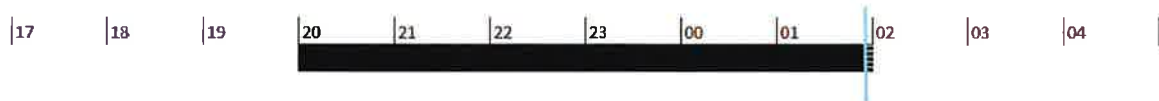
**Example 3:**

Situation:

Crew is planned for rest from 20:00 until 02:00.

Rest period according to the plan is 6 hours long.

This rest period is the only period that meet the requirement for the 6-hour rule while validating the work period from 02:00 to 02:05 and onwards.

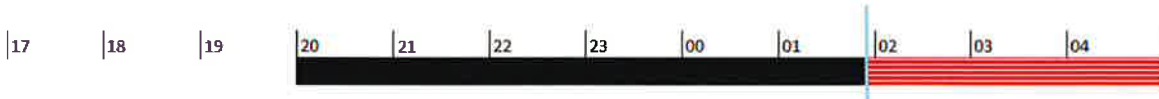


Crew Check IN at 01:55 (5 minutes early).

Result:

The rest period will only be 05:55 long.

Crew will be violating the 6-hour rule at 01:55.



Crew should thus have followed the plan in order to avoid non-conformance state.