## SHIP'S MAINTENANCE PLAN FOR DECK DEPARTMENT

MV : DK 02

Period:

| NO      | UNIT / SYSTEM                      | WORK DESCRIPTION                                   | LAST<br>MAINT. | INTERVAL |       | NEXT MAINT |      |      | REMARKS                      |
|---------|------------------------------------|--|----------------|----------|-------|------------|------|------|------------------------------|
|         |                                    |  |                | HOURS    | MONTH | 2016       | 2017 | 2018 |                              |
|         | HULL                               |  |                |          |       |            |      |      |                              |
|         |                                    |  |                |          |       |            |      |      |                              |
| H 1     | Docking                            | Ship to be drydocked for the following:            |                |          | 30    |            |      |      |                              |
| H 1.1   | Bottom plating                     |  |                |          | 30    |            |      |      |                              |
| H 1.2   | Sea chests and valves              | Inspection, clean, paint, renew anodes, lapping    | MU PE          |          | 30    |            |      |      |                              |
| H 1.3   | Anchor and chain                   | Release anchor & chain, check swivels and chain    |                | TAN      | 30    |            |      |      |                              |
|         |                                    | 007  | 200            | PR       |       |            |      |      |                              |
| H 2     | Tanks                              |  | KA             | No       |       |            |      |      |                              |
| H 2.1   | Cargo tanks                        | Cleaning, inspection on plating, girders, brackets | 272            |          | 3     |            |      |      |                              |
| H 2.2   | Ballast tanks                      | Cleaning, inspection on plating, girders, brackets | الحراب المراب  |          | 3     |            |      |      |                              |
| H 2.3   | Forepeak, afterpeak                | Cleaning, inspection on plating, girders, brackets | \$             |          | 30    |            |      |      |                              |
| H 2.3.1 | Forepeak, afterpeak                | Cleaning, general inspection                       |                | \$ M     | 30    |            |      |      |                              |
| H 2.4   | Fuel, lubr.oil settl. & service tk | Cleaning, inspection on plating, girders, brackets | O DELLE        |          | 30    |            |      |      |                              |
| H 2.5   | Fuel double bottom tks             | Cleaning, inspection on plating, girders, brackets |                | 90/      | 30    |            |      |      |                              |
| H 2.6   | Cargo valves                       | Cleaning, inspection on packing                    |                | 4        | 3     |            |      |      |                              |
|         |                                    | MA   | RA             |          |       |            |      |      |                              |
| H 3     | Deck Maintenance                   |  |                |          |       |            |      |      |                              |
| H 3.1   | Name, draft, plimsoll mark, etc    | Keep clean / readable and painting                 |                |          | 3     |            |      |      | Upon arr. At port of call    |
| H 3.2   | Main deck & superstructure         | Cleaning and painting                              |                |          | 3     |            |      |      | Every sea voyage             |
| H 3.3   | deck machinery and winches         | Greasing wire and through nipples                  |                |          | 3     |            |      |      | Monthly                      |
| H 3.4   | Ventilation dampers                | Greasing and exercise ( open & close )             |                |          | 3     |            |      |      | Every 3 (three) months       |
| H 3.5   | Tank vent flame arrester           | Check, clean, paint or renew wire mesh             |                |          | 3     |            |      |      | Safety / inspection          |
| H 3.6   | Watertight doors & windows         | Greasing, checking / renew rubber gasket           |                |          | 3     |            |      |      | Safety / loadline inspection |
|         |                                    |  |                |          |       |            |      |      |                              |
|         |                                    |  |                |          |       |            |      |      |                              |



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Period:

|         | T                          | Period:   |           |          |        |            |      |      | Т                          |
|---------|----------------------------|---|-----------|----------|--------|------------|------|------|----------------------------|
| NO      | UNIT / SYSTEM              | WORK DESCRIPTION                                  | LAST      | INTERVAL |        | NEXT MAINT |      |      | REMARKS                    |
|         |                            |   | MAINT.    | HOURS    | /MONTH | 2016       | 2017 | 2018 |                            |
|         | SAFETY EQUIPMENT           |   |           |          |        |            |      |      |                            |
| S 1     | Life Saving Equipment      |   |           |          |        |            |      |      |                            |
| S 1.1   | Lifeboat                   | Inspection, cleaning / painting                   | 3/2/2017  |          | 3      |            |      |      | Incl. Engine and provision |
| S 1.1.1 | Lifeboat                   | Class survey                                      | MU PEL    |          | 12     |            |      |      | Renewal certificate        |
| S 1.1.2 | Davit                      | Inspection, greasing, painting                    | 3/2/2017  | to       | 3      |            |      |      | Greasing-monthly           |
| S 1.1.3 | Wire fall                  | Replacement                                       | 3/2/2017  | 128      | 60     |            |      |      | 9.06                       |
| S 1.1.4 | Wire fall                  | Reversal  | 3/2/2017  |          | 30     |            |      |      |                            |
| S 1.2   | Life raft                  | Inspection incl. Quick release mechanism          | 3/2/2017  |          | 12     |            |      |      | Class survey               |
| S 1.3   | Lifebuoy & life jacket     | Checking, verify / replacement, test safety light | 3/2/2017  | % / \.   | 3      |            |      |      | Class survey               |
|         |                            |   | 3         | 36 1 /   |        |            |      |      |                            |
| S 2     | Fire Fighting Equipment    |   |           | ₩ M:     |        |            |      |      |                            |
| S 2.1   | Portable fire extinguisher | Checking, refilling, weighing                     | 1/17/2017 | 10       | 6      |            |      |      | Class survey               |
| S 2.2   | Fixed CO2 / Halon system   | Operational test, weighing                        | 1/17/2017 | 90/      | 24     |            |      |      | Class survey               |
| S 2.2.1 | Fixed CO2 / Halon system   | Pressure test                                     | 3/2/2017  | 4        | 60     |            |      |      | Class survey               |
| S 2.3   | Fire hydrant, hose, nozzle | Checking, maintaining, replacement                | RA        |          | 12     |            |      |      | Class suvey                |
| S 2.4   | Foam & fire water system   | Inspection, operational test                      |           |          | 1      |            |      |      | Class survey               |
| S 2.5   | Sprinkler system           | Inspection, operational test                      |           |          | 1      |            |      |      | n/a                        |
| S 2.6   | Fire alarm system          | Inspection, maintenance, functional test          |           |          | 1      |            |      |      | Class survey               |
| S 2.7   | Explosive gas meter        | Calibration                                       |           |          | 1      |            |      |      | Before use                 |
| S 2.8   | Oxygen Meter               | Calibration                                       |           |          | 1      |            |      |      | Before use                 |
| S 2.8.1 | Oxygen Analyzer ( if any ) | Calibration                                       |           |          | 1      |            |      |      | Before use                 |
| S 2.9   | Tanks Scope ( if any )     | Calibration                                       |           |          | 1      |            |      |      | Before use                 |
| S 2.10  | Toxic Detector             | Checking expiry date tubes and condition          |           |          |        |            |      |      |                            |

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Period:

| NO   | UNIT / SYSTEM                | WORK DESCRIPTION                       | LAST       |              |    | NEXT MAINT |      |      | REMARKS             |
|------|------------------------------|--|------------|--------------|----|------------|------|------|---------------------|
|      |                              |  | MAINT.     |              |    | 2016       | 2017 | 2018 | 1                   |
|      | NAUTICAL INSTRUME            | NT                                     |            |              |    |            |      |      |                     |
| N 1  | Auto pilot                   | Checking, maintenance, functional test |            |              | 12 |            |      |      | Before Dept / Arrv. |
| N 2  | Gyro compass                 | Checking, maintenance, functional test |            |              | 12 |            |      |      | daily at sea        |
| N 3  | Magnetic compass             | Checking, maintenance, functional test |            |              | 12 |            |      |      | daily at sea        |
| N 4  | Master Clock                 | Checking, maintenance, functional test | ILMU PE    |              | 12 |            |      |      | daily at sea        |
| N 5  | Radar ( ARPA )               | Checking, maintenance, functional test |            | 130          | 12 |            |      |      | Before Dept / Arrv. |
| N 6  | Electromagnetic log          | Checking, maintenance, functional test | V 000      | TE           | 60 |            |      |      |                     |
| N 7  | Doppler log                  | Checking, maintenance, functional test | EKA        |              | 12 |            |      |      |                     |
| N 8  | Echo sounder                 | Checking, maintenance, functional test | 21/1/2     | & \\\:       | 12 |            |      |      |                     |
| N 9  | GPS                          | Checking, maintenance, functional test | A C        | 1 %          | 12 |            |      |      |                     |
| N 10 | LORAN (if fitted)            | Checking, maintenance, functional test | 3          |              | 12 |            |      |      |                     |
|      | RADIO EQUIPMENT              |  |            | <i>₩</i> //: |    |            |      |      |                     |
| R 1  | GMDSS                        | Checking, maintenance, functional test | MI O STATE |              | 1  |            |      |      | n/a                 |
|      | incl.auto alarm & auto keyer | 0                                      | U          | 901          |    |            |      |      |                     |
| R 2  | NAVTEX                       | Checking, maintenance, functional test |            | 4            | 1  |            |      |      |                     |
| R 3  | EPIRB                        | Checking, maintenance, functional test | ARA        |              | 1  |            |      |      |                     |
| R 4  | SART                         | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |
| R 5  | Faximile receiver            | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |
| R 6  | Battery charger              | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |
| R 7  | Battery                      | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |
| R 8  | Automatic exchanger          | Checking, maintenance, functional test |            |              | 1  |            |      |      | As appropriate      |
| R 9  | Two-way radio telephone      | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |
| R 10 | SSAS                         | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |
| R 11 | AIS                          | Checking, maintenance, functional test |            |              | 1  |            |      |      |                     |

| DATE: |                        | DATE: |                |
|-------|------------------------|-------|----------------|
|       | Master / Chief Officer | _     | Superintendent |