

Subject:

Application of the 1981 Amendments  
to 1974 SOLAS and 1978 PROTOCOL  
to existing non-Japanese ships

# NK TECHNICAL INFORMATION

No. 19

Date: 8 June 1984

To Shipowners and Shipyards concerned

"The 1981 Amendments to 1974 SOLAS", and "The 1981 Amendments to 1978 PROTOCOL" (hereinafter referred to as "1981 Amendments") will enter into force on 1 September 1984. They will be applied to ships flying the flags of Contracting Governments to the 1974 SOLAS and/or the 1978 PROTOCOL.

In the 1981 Amendments, there are following new requirements to which your attention is invited to be paid:

- (1) Requirements in respect of installation of certain equipment will be applied to ships, the keels of which are laid before 1 September 1984 (hereinafter referred to as "existing ships"), immediately on and after 1 September 1984 or on and after certain days/years of grace.
- (2) Certain navigational equipment, if they are to be installed on board existing ships on and after 1 September 1984, should be of type approved to the performance standards specified in the said Amendments.

Accordingly, shipowners concerned are recommended to take appropriate actions for such existing ships in advance.

Attached is a list indicating equipment which should be installed on board existing ships and should comply with performance standards specified in the 1981 Amendments.



Surveyors to this Society will ascertain that equipment listed in the Attachment is installed on board existing ships or comply with relevant performance standards at a due statutory survey which comes first after 1 September 1984 or at any due survey which will be arranged within the periods given for installation of equipment concerned or for compliance of it with relevant regulations of the 1981 Amendments, depending on what it is. If the survey reveals that the ship does not comply with any of the applicable requirements of the 1981 Amendments for existing ships, the only conditional, short term certificate relative to such requirements will be issued, or will supercede any full term certificate kept on board the ship.

Should you have any queries in this connection, please contact the Overseas Department of the Society's Head Office.

Attachment

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Surveyors to this Society will ascertain that equipment listed in the Attachment is installed on board existing ships or comply with relevant performance standards at a due statutory survey which comes first after 1 September 1984 or at any due survey which will be arranged within the periods given for installation of equipment concerned or for compliance of it with relevant regulations of the 1981 Amendments, depending on what it is. If the survey reveals that the ship does not comply with any of the applicable requirements of the 1981 Amendments for existing ships, the only conditional, short term certificate relative to such requirements will be issued, or will supercede any full term certificate kept on board the ship.

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Attachment

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# Attachment

Equipment, which should be installed on board existing ships and/or which should comply with performance standards of the 1981 Amendments

| 1)<br>Equipment (Regulation Nos.)                          | Ships to which equipment in question should be installed. 2)                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 1. Steering Gears<br>(Reg.29.19/20, Chapt II-I)            | 1. Tankers, chemical tankers or gas carriers of 10,000 GRT and upwards to comply with certain requirements of Reg. 29 by 1 September 1986.<br>2. Tankers, chemical tankers or gas carriers of 40,000 GRT and upwards to comply with certain requirements of Reg. 29 by 1 September 1988.                                                                                                                                                                                                 |
| 2. Fireman's Outfit<br>(Reg. 17.3, Chapt II-2)             | Ships of 500 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. Fire Control Plans<br>(Reg.20, Chapt II-2)              | Ships of 500 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. Fixed Inert Gas Systems<br>(Regs.60 and 62, Chapt II-2) | 1. Tankers operating with a cargo tank cleaning procedure using crude oil washing.<br>2. For tankers not operating with a cargo tank cleaning procedure using crude oil washing :<br>2-1. Tankers carrying crude oil and product carriers, each of 70,000 DWT and upwards<br>2-2. Tankers carrying crude oil and product carriers, each of 40,000 DWT and upwards but less than 70,000 DWT to comply with 1981 Amendments by 1 May 1985 or the date of delivery, whichever occurs later. |

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|                                                                                                                              | <p>2-3. Tankers carrying curde oil of 20,000 DWT and upwards but less than 40,000 DWT to comply with 1981 Amendments by 1 May 1985 or the date of delivery, whichever occurs later.</p> <p>2-4. Product carriers of 20,000 DWT and upwards but less than 40,000 DWT fitted with tank washing machines having an individual throughput of greater than 60 M<sup>3</sup>/H to comply with 1981 Amendments by 1 May 1985 or the date of delivery whichever occurs later.</p> |
| 5. VHF Radiotelephone Installation<br>(Regs.4-1(a) and 17, Chapt IV)                                                         | Ships of 300 GRT and upwards.<br>(Ships of 500 GRT and upwards for source of energy.)                                                                                                                                                                                                                                                                                                                                                                                     |
| 6. Radiotelephone Operators<br>(Reg. 7(b), Chapt IV)                                                                         | Ships of 500 GRT and upwards but less than 1600 GRT                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7. Radiotelegraph Installations<br>(Reg. 10(g-1), Chapt IV)                                                                  | Ships of 1600 GRT and upwards fitted with self-supporting antennae.                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8. Radiotelephone transmission and reception on radiotelephone distress frequency<br>(Reg. 10(g-2), h(iv) (1) (2), Chapt IV) | Ships of 1600 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9. Radiotelephone transmitters/<br>Minimum normal range<br>(Reg. 16(c)(i)(ii), Chapt IV)                                     | Ships of 300 GRT and upwards but less than 1600 GRT.<br>Existing installation on ships of 300 GRT and upwards but less than 500 GRT                                                                                                                                                                                                                                                                                                                                       |
| 10-1 Magnet Compass<br>(Reg. 12(b), Chapt V)                                                                                 | Ships of 150 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|                                                                                                                              | <p>2-3. Tankers carrying curde oil of 20,000 DWT and upwards but less than 40,000 DWT to comply with 1981 Amendments by 1 May 1985 or the date of delivery, whichever occurs later.</p> <p>2-4. Product carriers of 20,000 DWT and upwards but less than 40,000 DWT fitted with tank washing machines having an individual throughput of greater than 60 M<sup>3</sup>/H to comply with 1981 Amendments by 1 May 1985 or the date of delivery whichever occurs later.</p> |
| 5. VHF Radiotelephone Installation<br>(Regs.4-1(a) and 17, Chapt IV)                                                         | Ships of 300 GRT and upwards.<br>(Ships of 500 GRT and upwards for source of energy.)                                                                                                                                                                                                                                                                                                                                                                                     |
| 6. Radiotelephone Operators<br>(Reg. 7(b), Chapt IV)                                                                         | Ships of 500 GRT and upwards but less than 1600 GRT                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7. Radiotelegraph Installations<br>(Reg. 10(g-1), Chapt IV)                                                                  | Ships of 1600 GRT and upwards fitted with self-supporting antennae.                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8. Radiotelephone transmission and reception on radiotelephone distress frequency<br>(Reg. 10(g-2), h(iv) (1) (2), Chapt IV) | Ships of 1600 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9. Radiotelephone transmitters/<br>Minimum normal range<br>(Reg. 16(c)(i)(ii), Chapt IV)                                     | Ships of 300 GRT and upwards but less than 1600 GRT.<br>Existing installation on ships of 300 GRT and upwards but less than 500 GRT                                                                                                                                                                                                                                                                                                                                       |
| 10-1 Magnet Compass<br>(Reg. 12(b), Chapt V)                                                                                 | Ships of 150 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| 10-2 Gyro Compass<br>(Reg. 12 (e)(f), Chapt V)                                                                                                                                                                                                      | Ships of 1600 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                |
| 10-3 Radar<br>(Reg. 12(g), Chapt V)                                                                                                                                                                                                                 | Ships of 1600 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                |
| 10-4 Radar<br>(Reg. 12(h), Chapt V)                                                                                                                                                                                                                 | Ships of 10,000 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                              |
| 10-5 Automatic Radar Plotting Aid<br>(Reg. 12(j)(i)(2), chapt V)                                                                                                                                                                                    | <ol style="list-style-type: none"> <li>1. Tankers of 40,000 GRT and upwards to comply with 1981 Amendments by 1 January 1985</li> <li>2. Tankers of 10,000 GT and upwards but less than 40,000 GRT to comply with 1981 Amendments by 1 January 1986</li> </ol>                                                                                                                                               |
| 10-6 Automatic Radar Plotting Aid<br>(Reg. 12(j)(3)), chapt V)                                                                                                                                                                                      | <p>For ships other than tankers :</p> <ol style="list-style-type: none"> <li>1. of 40,000 GRT and upwards to comply with 1981 Amendments by 1 September 1986.</li> <li>2. of 20,000 GRT and upwards but less than 40,000 GRT to comply with 1981 Amendments by 1 September 1987</li> <li>3. of 15,000 GRT and upwards but less than 20,000 GRT to comply with 1981 Amendments by 1 September 1988</li> </ol> |
| 10-7 Echosounding Devices<br>(Reg. 12(k), Chapt V)                                                                                                                                                                                                  | Ships of 1600 GRT and upwards constructed before 25 May 1980 and ships of 500 GRT and upwards constructed on and after 25 May 1980                                                                                                                                                                                                                                                                           |
| 10-8 Indicator showing the rudder angle, the rate of revolution of each propeller and in addition, if fitted with variable pitch propellers or lateral thrust propellers, the pitch and operational mode of such propeller<br>(Reg. 12(m), Chapt V) | Ships of 1600 GRT and upwards                                                                                                                                                                                                                                                                                                                                                                                |

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| <p>10-9 Performance Standards<br/>(Reg. 12(r), Chapt V)</p> | <p>Navigational equipment listed below, if installed on and after 1 September 1984 to meet performance standards adopted by IMO and to be of type approved:</p> <ol style="list-style-type: none"> <li>1. Magnetic compass (A382 (X))</li> <li>2. gyro compass (A424 (XI))</li> <li>3. radar (A477 (XII))</li> <li>4. automatic radar plotting aid (A422 (XI))</li> <li>5. echosounding device (A224 (VII))</li> <li>6. radio direction finding apparatus (A223 (VII))</li> <li>7. radio direction finding apparatus for homing (A221 (VII))</li> </ol> |
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Note 1: Regulation numbers in brackets are those in the 1981 Amendments to the 1974 SOLAS.

Note 2: Unless otherwise stated, equipment should be installed on and after 1 September 1984.

10-9 Performance Standards  
(Reg. 12(r), Chapt V)

Navigational equipment listed below,  
if installed on and after 1 September  
1984 to meet performance standards  
adopted by IMO and to be of type  
approved:

1. Magnetic compass (A382 (X))
2. gyro compass (A424 (XI))
3. radar (A477 (XII))
4. automatic radar plotting aid  
(A422 (XI))
5. echosounding device (A224 (VII))
6. radio direction finding apparatus  
(A223 (VII))
7. radio direction finding apparatus  
for homing (A221 (VII))

Note 1: Regulation numbers in brackets are those in the 1981 Amendments  
to the 1974 SOLAS.

Note 2: Unless otherwise stated, equipment should be installed on and  
after 1 September 1984.