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ANNEX 1

ANNEX

to the

**COMMISSION DELEGATED REGULATION (EU) .../...
of XXX**

**supplementing Directive 2014/90/EU of the European Parliament and of the Council as
regards the identification of specific items of marine equipment which can benefit from
electronic tagging**

ANNEX

The items in this list can benefit from electronic tagging:

1. Life saving appliances

Number and item designation
MED/1.1 Lifebuoys
MED/1.2a Position-indicating lights for life-saving appliances: (a) for survival craft and rescue boats, (b) for lifebuoys, (c) for lifejackets.
MED/1.3 Lifebuoys self-activating smoke signals
MED/1.4 Lifejackets
MED/1.5 Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: a) immersion suit without inherent insulation, b) immersion suit with inherent insulation, c) anti exposure suits.
MED/1.6 Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket: a) immersion suit without inherent insulation, b) immersion suit with inherent insulation, c) anti exposure suits.
MED/1.7 Thermal protective aids
MED/1.8 Rocket parachute flares (pyrotechnics)

MED/1.9 Hand flares (pyrotechnics)
MED/1.10 Buoyant smoke signals (pyrotechnics)
MED/1.11 Line-throwing appliances
MED/1.12 Inflatable liferafts
MED/1.13 Rigid liferafts
MED/1.14 Automatically self-righting liferafts
MED/1.15 Canopied reversible liferafts
MED/1.16 Float-free arrangements for liferafts (hydrostatic release units)
MED/1.17 Lifeboats: (a) Davit-launched lifeboats: - partially enclosed, - totally enclosed. (b) Free-fall lifeboats.
MED/1.18 Rigid rescue boats
MED/1.19 Inflated rescue boats
MED/1.20 Fast rescue boats: (a) inflated, (b) rigid, (c) rigid-inflated.
MED/1.21

<p>Launching appliances using falls (davits)</p>
<p>MED/1.23</p> <p>Launching appliances for free-fall lifeboats</p>
<p>MED/1.24</p> <p>Liferaft launching appliances (Davits)</p>
<p>MED/1.25</p> <p>Fast rescue boat launching appliances (Davits)</p>
<p>MED/1.26</p> <p>Release mechanism for :</p> <p>(a) Lifeboats and rescue boats (Launched by a fall or falls), (b) Liferafts (Launched by a fall or falls), (c) Free fall lifeboats.</p>
<p>MED/1.27</p> <p>Marine evacuation systems</p>
<p>MED/1.28</p> <p>Means of rescue</p>
<p>MED/1.29</p> <p>Embarkation ladders</p>
<p>MED/1.30</p> <p>Retro-reflective materials</p>
<p>MED/1.33</p> <p>Radar reflector for lifeboats and rescue boats (passive)</p>
<p>MED/1.36</p> <p>Lifeboat / rescue boat propulsion engine</p>
<p>MED/1.37</p> <p>Rescue boat propulsion engine - outboard motor</p>
<p>MED/1.38</p> <p>Searchlights for use in lifeboats and rescue boats</p>

MED/1.39 - Open reversible liferafts
MED/1.41 Winches for survival craft and rescue boats: (a) davit launched lifeboats, (b) free-fall lifeboats, (c) liferafts, (d) rescue boats, (e) fast rescue boats.
MED/1.43 Rigid/inflated rescue boats

2. Marine pollution prevention

Number and item designation
MED/2.1 Oil-filtering equipment (for an oil content of the effluent not exceeding 15 p.p.m.)
MED/2.2 Oil/water interface detectors
MED/2.3 Oil-content meters
MED/2.5 Oil discharge monitoring and control system for oil tankers
MED/2.6 Sewage systems
MED/2.7 Shipboard incinerators (Incinerator plants with capacities greater than 1,500 kW and up to 4,000 kW)
MED/2.8 NOx analyzer for use on board as per NOx Technical Code 2008
MED/2.10 On board exhaust gas cleaning systems

3. Fire protection equipment

Number and item designation
MED/3.1 Primary decks covering
MED/3.2 Portable fire extinguishers
MED/3.3 Fire-fighter's outfit: protective clothing (close proximity clothing)
MED/3.4 Fire-fighter's outfit: boots
MED/3.5 Fire-fighter's outfit: gloves
MED/3.6 Fire-fighter's outfit: helmet
MED/3.7 Self-contained compressed-air-operated breathing apparatus
MED/3.8 Compressed air line breathing apparatus
MED/3.9 Sprinkler systems components for accommodation spaces, service spaces and control stations equivalent to that referred to in SOLAS 74 Reg. II-2/12 (limited to nozzles and their performance). (Nozzles for fixed sprinkler systems, for high speed craft (HSC) are included under this item)
MED/3.10 - Nozzles for fixed pressure water spraying fire extinguishing systems for machinery spaces and cargo pump-rooms
MED/3.11 'A' & 'B' class divisions fire integrity: (a) 'A' class divisions, (b) 'B' class divisions.

MED/3.12 Devices to prevent the passage of flame into the cargo tanks in tankers
MED/3.13 Non-combustible materials
MED/3.15 Materials other than steel for pipes conveying oil or fuel oil : (a) plastic pipes and fittings, (b) valves, (c) flexible pipe assemblies and compensators, (d) metallic pipe components with resilient and elastomeric seals.
MED/3.16 Fire doors
MED/3.17 Fire door control systems components
MED/3.18 Surface materials and floor coverings with low flame-spread characteristics : (a) decorative veneers, (b) paint systems, (c) floor coverings, (d) pipe insulation covers, (e) adhesives used in the construction of 'A', 'B' & 'C' class divisions, (f) combustible ducts membrane.
MED/3.19 Draperies, curtains and other suspended textile materials and films
MED/3.20 Upholstered furniture
MED/3.21 Bedding components
MED/3.22 Fire dampers
MED/3.25 "A" and "B" class fire proof windows and side scuttles

MED/3.26

Penetrations through 'A' class divisions:

- (a) electric cable transits,
- (b) pipe, duct, trunk, etc. penetrations.

MED/3.27

Penetrations through 'B' class divisions:

- (a) electric cable transits,
- (b) pipe, duct, trunk, etc. penetrations.

MED/3.28

Sprinkler systems (limited to sprinkler heads).

(Nozzles for fixed sprinkler systems, for high speed craft (HSC) are included under this item)

MED/3.29

Fire-fighting hoses

Non-percolating lay flat firefighting hoses (range of the inside diameter from 25 mm to 52 mm)

MED/3.30

Portable oxygen analysis and gas detection equipment

MED/3.32

Fire restricting materials (except furniture) for high speed craft

MED/3.33

Fire restricting materials for furniture for high speed craft

MED/3.34

Fire resisting divisions for high speed craft

MED/3.35

Fire doors on high speed craft

MED/3.36

Fire dampers on high speed craft

MED/3.37

Penetrations through fire resisting divisions on high speed craft:

- (a) electric cable transits,
- (b) pipe, duct, trunk etc. penetrations.

MED/3.38

Portable fire-extinguishing equipment for lifeboats and rescue boats
MED/3.39 Nozzles for equivalent water-mist fire extinguishing systems for machinery spaces and cargo pump rooms
MED/3.40 Low-location lighting systems (components only)
MED/3.41 Emergency escape breathing devices (EEBD)
MED/3.42 Inert gas systems components
MED/3.43 Nozzles for deep fat cooking equipment fire extinguishing systems (automatic or manual type).
MED/3.44 Fire-fighters outfit - lifeline
MED/3.45 Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms
MED/3.46 Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems)
MED/3.47 Concentrate for fixed high expansion foam fire extinguishing systems for machinery spaces and cargo pump rooms.
MED/3.48 Fixed water based local application fire-fighting systems components for use in category A machinery spaces.
MED/3.49a Fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces: a) Prescriptive-based systems as per Circ.1430 Clause 4, b) Performance-based systems as per Circ. 1430 Clause 5.
MED/3.51 Fixed fire detection and fire alarm systems components for control stations, service spaces,

<p>accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>(a) Control and indicating equipment</p> <p>(b) Power supply equipment,</p> <p>(c) Heat detectors - Point detectors,</p> <p>(d) Smoke detectors: Point detectors using scattered light, transmitted light or ionization,</p> <p>(e) Flame detectors: Point detectors,</p> <p>(f) Manual call points,</p> <p>(g) Short circuit isolators,</p> <p>(h) Input/output devices,</p> <p>(i) Cables.</p>
<p>MED/3.52</p> <p>Non-portable and transportable fire extinguishers</p>
<p>MED/3.53</p> <p>Fire alarm devices - Sounders</p>
<p>MED/3.54</p> <p>Fixed oxygen analysis and gas detection equipment</p>
<p>MED/3.55</p> <p>Dual purpose type nozzles (spray/jet type)</p>
<p>MED/3.56</p> <p>Fixed firefighting hose systems Hose reels with semi-rigid hose</p>
<p>MED/3.57</p> <p>Medium expansion foam fire extinguishing systems components - fixed deck foam for tankers</p>
<p>MED/3.58</p> <p>Fixed low expansion foam fire extinguishing systems components for machinery spaces and tanker deck protection.</p>
<p>MED/3.59</p> <p>Expansion foam for fixed fire extinguishing systems for chemical tankers</p>
<p>MED/3.60</p> <p>Nozzles for fixed pressure water-spraying fire-extinguishing systems for cabin balconies</p>
<p>MED/3.61a</p> <p>Inside air high expansion foam systems for the protection of machinery spaces, cargo pump</p>

rooms, vehicle and ro-ro spaces, special category spaces and cargo spaces.
MED/3.61b Outside air high expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and ro-ro spaces, special category spaces and cargo spaces.
MED/3.62 Dry chemical powder extinguishing systems
MED/3.63 Sample extraction smoke detection systems components
MED/3.64 C class divisions
MED/3.65 Fixed hydrocarbon gas detection system
MED/3.66 Evacuation guidance systems used as an alternative to low-location lighting systems
MED/3.67 Helicopter facility foam fire-fighting appliances
MED/3.68 Galley exhaust duct fixed fire extinguishing systems components
MED/3.69 Mobile water monitor for ships constructed on or after 1 January 2016 designed to carry five or more tiers of containers on or above the weather deck
MED/3.70 Fire-fighting hoses Semi-rigid hoses for fixed systems
MED/3.71 Fixed firefighting hose systems Hose systems with lay-flat hose

4: Navigation equipment

Number and item designation
MED/4.1

Magnetic compass Class A for ships
MED/4.2 Transmitting heading device THD (magnetic method)
MED/4.3 Gyro compass
MED/4.6 Echo-sounding equipment
MED/4.7 Speed and distance measuring equipment (SDME)
MED/4.9 Rate-of-turn indicator
MED/4.14 GPS equipment
MED/4.15 GLONASS equipment
MED/4.16 Heading control system (HCS)
MED/4.18 Search and rescue locating devices (SRLD): 9 GHz SAR transponder (SART)
MED/4.20 Rudder angle indicator
MED/4.21 Propeller revolution indicator
MED/4.22 Pitch indicator
MED/4.23 Magnetic compass Class B for lifeboats and rescue boats
MED/4.29 Voyage data recorder (VDR)

MED/4.30
Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)
MED/4.31
Gyro compass for high-speed craft
MED/4.32
Universal automatic identification system equipment (AIS)
MED/4.33
Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)
MED/4.34
Radar equipment CAT 1
MED/4.35
Radar equipment CAT 2
MED/4.36
Radar equipment CAT 3
MED/4.37
Radar equipment for high speed craft applications (CAT 1H and CAT 2H)
MED/4.38
Radar equipment approved with a chart option, namely: (a) CAT 1C, (b) CAT 2C, (c) CAT 1HC, (d) CAT 2HC.
MED/4.39
Radar reflector - passive type
MED/4.40
Heading control system for high speed craft
MED/4.41
Transmitting heading device THD (GNSS method)
MED/4.42
Searchlight for high speed craft

MED/4.43 Night vision equipment for high speed craft
MED/4.44 Differential beacon receiver for DGPS and DGLONASS Equipment
MED/4.46 Transmitting heading device THD (Gyroscopic method)
MED/4.47 Simplified voyage data recorder (S-VDR)
MED/4.49 Pilot ladder
MED/4.50 DGPS Equipment
MED/4.51 DGLONASS Equipment
MED/4.52 Daylight signalling lamp
MED/4.53 Radar target enhancer
MED/4.54 Compass Bearing Device
MED/4.55 Search and rescue locating devices (SRLD): AIS SART equipment
MED/4.56 Galileo Equipment
MED/4.57 Bridge Navigational Watch Alarm System (BNWAS)
MED/4.58 Sound reception system
MED/4.59 Integrated navigation system

5: Radio-communication equipment

Number and item designation
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony
MED/5.2 VHF DSC watch-keeping receiver
MED/5.3 NAVTEX receiver
MED/5.4 EGC receiver
MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver)
MED/5.6 406 MHz EPIRB (COSPAS-SARSAT)
MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony
MED/5.11 MF DSC watch-keeping receiver
MED/5.13 Inmarsat-C SES
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony.
MED/5.15 MF/HF DSC scanning watch keeping receiver
MED/5.17 Portable survival craft two-way VHF radiotelephone apparatus
MED/5.18 Fixed survival craft two-way VHF radiotelephone apparatus
MED/5.19 Inmarsat-F77

6: Equipment required under COLREG 72

Number and item designation
MED/6.1 Navigation lights

7: Bulk carrier safety equipment

This chapter currently has no items.

8: Equipment under SOLAS Chapter II-1

Number and item designation
MED/8.1 - Water level detectors