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From: Secretary-General of the European Commission,
signed by Mr Jordi AYET PUIGARNAU, Director

date of receipt: 9 January 2018

To: Mr Jeppe TRANHOLM-MIKKELSEN, Secretary-General of the Council of
the European Union

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Subject: 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

Delegations will find attached document C(2017) 9017 final - ANNEX 1.

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

MED/1.38 Searchlights for use in lifeboats and rescue boats
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

<p>MED/3.11</p> <p>'A' & 'B' class divisions fire integrity:</p> <p>(a) 'A' class divisions,</p> <p>(b) 'B' class divisions.</p>
<p>MED/3.12</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers</p>
<p>MED/3.13</p> <p>Non-combustible materials</p>
<p>MED/3.15</p> <p>Materials other than steel for pipes conveying oil or fuel oil :</p> <p>(a) plastic pipes and fittings,</p> <p>(b) valves,</p> <p>(c) flexible pipe assemblies and compensators,</p> <p>(d) metallic pipe components with resilient and elastomeric seals.</p>
<p>MED/3.16</p> <p>Fire doors</p>
<p>MED/3.17</p> <p>Fire door control systems components</p>
<p>MED/3.18</p> <p>Surface materials and floor coverings with low flame-spread characteristics :</p> <p>(a) decorative veneers,</p> <p>(b) paint systems,</p> <p>(c) floor coverings,</p> <p>(d) pipe insulation covers,</p> <p>(e) adhesives used in the construction of 'A', 'B' & 'C' class divisions,</p> <p>(f) combustible ducts membrane.</p>
<p>MED/3.19</p> <p>Draperies, curtains and other suspended textile materials and films</p>
<p>MED/3.20</p> <p>Upholstered furniture</p>
<p>MED/3.21</p> <p>Bedding components</p>

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, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:

- (a) Control and indicating equipment
- (b) Power supply equipment,
- (c) Heat detectors - Point detectors,
- (d) Smoke detectors: Point detectors using scattered light, transmitted light or ionization,
- (e) Flame detectors: Point detectors,
- (f) Manual call points,
- (g) Short circuit isolators,
- (h) Input/output devices,
- (i) Cables.

MED/3.52

Non-portable and transportable fire extinguishers

MED/3.53

Fire alarm devices - Sounders

MED/3.54

Fixed oxygen analysis and gas detection equipment

MED/3.55

Dual purpose type nozzles
(spray/jet type)

MED/3.56

Fixed firefighting hose systems
Hose reels with semi-rigid hose

MED/3.57

Medium expansion foam fire extinguishing systems components - fixed deck foam for tankers

MED/3.58

Fixed low expansion foam fire extinguishing systems components for machinery spaces and tanker deck protection.

MED/3.59
Expansion foam for fixed fire extinguishing systems for chemical tankers
MED/3.60
Nozzles for fixed pressure water-spraying fire-extinguishing systems for cabin balconies
MED/3.61a
Inside 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/3.61b
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

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