

Autonome Schifffahrt

Auswirkungen
auf das menschliche Element

Sicherheit in der Seeschifffahrt

International gültige
Regelungen für den
Seeverkehr verhandelt das
federführende BMVI in der
zuständigen
**Internationalen
Seeschifffahrts-
Organisation (IMO)**
mit Sitz in London.



Autonome Schifffahrt

- eine lange Entwicklung ...

- Schiffssicherheitsausschuss (MSC)
- Sicherheitsnormen sind z.B.
 - SOLAS
 - STCW
 - CSC
 - Freibord ÜE
 - COLREG
 - SAR
 - ...

Maritime Autonomous Surface Ship (MASS).

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**Grad eins: *Schiff mit automatisierten Prozessen und
Entscheidungsunterstützung***

Grad zwei: *Ferngesteuertes Schiff mit Seeleuten an Bord*

Grad drei: *Ferngesteuertes Schiff ohne Seeleute an Bord*

Grad vier: *Vollautonomes Schiff*

MARITIME SAFETY COMMITTEE
100th session
Agenda item 5

MSC 100/WP.8
6 December 2018
Original: ENGLISH

DISCLAIMER

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**REGULATORY SCOPING EXERCISE FOR THE USE OF
MARITIME AUTONOMOUS SURFACE SHIPS (MASS)**

Report of the Working Group

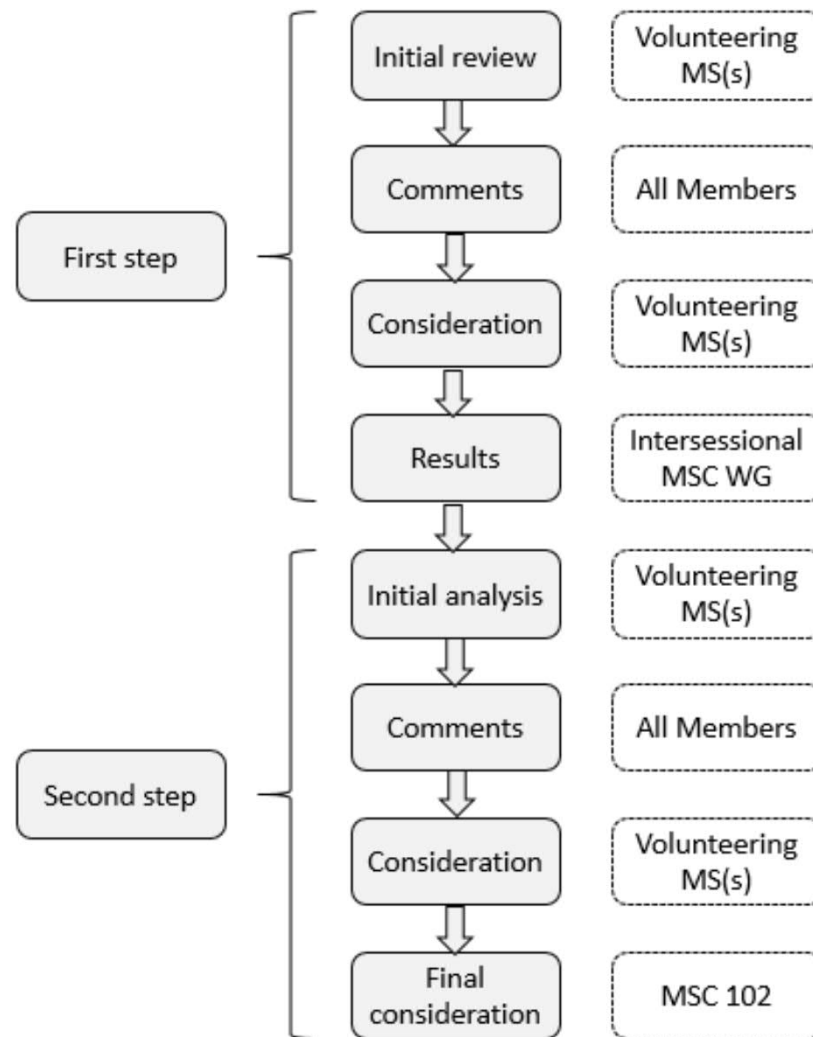
GENERAL

1 The Working Group on Maritime Autonomous Surface Ships (MASS) met from 4 to 6 December 2018, chaired by Mr. Henrik Tunfors (Sweden).

2 The Group was attended by delegations from the following Member States:

ARGENTINA	NETHERLANDS
AUSTRALIA	NEW ZEALAND
BAHAMAS	NIGERIA
BANGLADESH	NORWAY
BELGIUM	PANAMA
BRAZIL	PERU
CANADA	PHILIPPINES
CHINA	POLAND
CYPRUS	PORTUGAL
DENMARK	REPUBLIC OF KOREA
FINLAND	RUSSIAN FEDERATION
FRANCE	SAUDI ARABIA
GERMANY	SINGAPORE

weiteres Vorgehen



List of instruments and volunteering Members undertaking or supporting the review instruments

Instrument	Chapter/ Section	Degree of autonomy	Member preparing the initial review	State the	Supporting/assistin
SOLAS 1974					
	Chapter II-1	All	France		Sweden, Iran (Islamic Republic of)
	Chapter II-2	All	Japan		
	Chapter III	All	Netherlands		Belgium
	Chapter IV	All	Turkey		China, Japan
	Chapter V	All	China		Denmark, Japan, Singapore
	Chapter VI	All	Japan		
	Chapter VII	All	Japan		
	Chapter IX	All	Norway		China, Republic of Korea, Russian Federation
	Chapter XI-1	All	Finland		
	Chapter XI-2	All	Finland		
SOLAS AGR 1996					
SOLAS PROT 1978					
SOLAS PROT 1988					
STCW 1978 and STCW Code		All	United States		Japan, New Zealand, Republic of Korea, Russian Federation,
STCW-F 1995		All	Japan		New Zealand
COLREG 1972		All	Marshall Islands		China, Japan, Singapore, United States
CSC 1972		All	Japan		Finland
LL 1966		All	India		
LL PROT 1988		All	India		
SAR 1979		All	Spain, France		Turkey
SPACE STP 1973					
STP 1971					
TONNAGE 1969					

Autonome Schifffahrt zu diskutieren bleiben:

- **Arbeitsbedingungen** an Bord unter Berücksichtigung des „human element“?
 - Organisatorische/ hierarchische Konsequenzen
 - Einfluss der reduzierten Bestatzungen auf „fatigue“
- **Lebensbedingungen** an Bord ?

Herzlichen Dank
Für Ihre Aufmerksamkeit

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Ref-WS23