

**4th meeting of the MASS PT**  
**5 OCTOBER 2022 – VTC (MSTEAMS)**  
**11:00 – 14:00 (GMT)**

**Proposed Agenda**

Ref	Item	Lead																										
1	Welcome and review of actions from Previous Meeting	Chair/Secretary																										
2	Review of membership	Chair																										
3	Review of plan and progress against it	Chair																										
4	Each member to present S-1XX Gap analysis result (10 minutes per analysis ≈ 2h)	Chair/ Member states																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Member State</th> <th style="text-align: left;">standard</th> </tr> </thead> <tbody> <tr> <td>UK</td> <td>Neil Salter/Mark Casey</td> </tr> <tr> <td>Finland</td> <td>Valtteri Laine</td> </tr> <tr> <td>China</td> <td>Sun Dongli</td> </tr> <tr> <td>Denmark</td> <td>Jakob Christensen</td> </tr> <tr> <td>Norway</td> <td>Siri Reimers</td> </tr> <tr> <td>USA/NGA</td> <td>Frederick Sanders</td> </tr> <tr> <td>Korea</td> <td>Sewoong OH</td> </tr> <tr> <td>Brazil</td> <td>Edson Magno/Rodrigo Obino</td> </tr> <tr> <td>USA/NOAA</td> <td>Rob Downs</td> </tr> <tr> <td>Canada</td> <td>Annie Biron</td> </tr> <tr> <td>Japan</td> <td>Kentaro Kaneda</td> </tr> <tr> <td>UK</td> <td>Neil Salter/Mark Casey</td> </tr> </tbody> </table>	Member State	standard	UK	Neil Salter/Mark Casey	Finland	Valtteri Laine	China	Sun Dongli	Denmark	Jakob Christensen	Norway	Siri Reimers	USA/NGA	Frederick Sanders	Korea	Sewoong OH	Brazil	Edson Magno/Rodrigo Obino	USA/NOAA	Rob Downs	Canada	Annie Biron	Japan	Kentaro Kaneda	UK	Neil Salter/Mark Casey	
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5	Next steps and time line	Chair/Member states																										

6	Future of this Project Team	Chair/Member states
7	Any other business	all
8	Next meeting	chair

## 1.0 Welcome and review of actions from Previous Meeting

Mark Casey (Chair) welcomed members;

Mark presented agenda;

Present:

Brazil	Rodrigo Obino Edson Magno
Canada	Annie Biron (Secretary)
China	Sun Dongli (Vice-Chair)
Denmark	Jakob Christensen
Finland	Valtteri Laine
Korea	Sewoong OH Hwigwang Hong
Norway	Siri Reimers
UK	Mark Casey (Chair) Neil Salter
USA	Rob Downs (NOAA) Frederick Sanders (NGA)

Absent:

France	Amandine Lefrancois
IHO	Samuel Harper
Iran	Amirsaba Farhangi
Japan	Kentaro Kaneda
Malta	Mark Chapelle
Singapore	Parry Oei

Annie Biron reviewed previous actions

**ACTION-20220525-1:** Mark Casey **COMPLETED**

template for the gap analysis were prepared and shared with members with instructions via email.

**ACTION-20220525-2:** Mark Casey **COMPLETED**

IMO scoping exercise document was made available

**ACTION-20220525-3: Member states** Partially **COMPLETED**

Gap analysis were submitted and to be presented by MS in item 4.

Member State		standard	status
UK	Neil Salter/Mark Casey	S-101	Completed
Finland	Valtteri Laine	S-102	completed
China	Sun Dongli	S-104 + S-111	Completed
Denmark	Jakob Christensen	S-122	Completed
Norway	Siri Reimers	S-123	Completed
USA/NGA	Frederick Sanders	S-124	Completed
Korea	Sewoong OH	S-125	Completed
Brazil	Edson Magno Rodrigo Obino	S-126	Completed
USA/NOAA	Rob Downs	S-127	Completed
Canada	Annie Biron	S-128 + S-129	Completed
Japan	Kentaro Kaneda	S-130 + Security Protection Scheme	Completed
UK	Neil Salter/Mark Casey	S-131	On going

**ACTION-20220525-4: Mark Casey** **COMPLETED**

Contact info for each of the IHO WG or PT assigned to the development of the different S100 standards were shared to MS

**ACTION-20220525-5: Mark Casey & Valtteri Laine** **COMPLETED**

Mid-September, Mark was invited at the IALA meeting and presented the work of MASS PT.

## 2.0 Review of membership

Mark reviewed membership, and welcomed new members

## 3.0 Review of plan and progress against it

Mark presented initial plan and informed members that the work is well underway and even ahead of initial schedule.

## 4.0 Presentation of S-1XX Gap analysis result by MS

Each MS presented the gap analysis

As no representative from Japan was present the S-130 + Security Protection Scheme gap analysis were not presented to the group.

**ACTION-20221005-1:** Mark Casey & Annie Biron

To make available all gap analysis to MASS PT members (email or IHO website)

**ACTION-20221005-2:** Mark Casey

To verify the status of S103 (canceled or not)

## 5.0 Next steps and time line

**ACTION-20221005-3:** Member states

Each MS to set up a meeting with relevant S1XX- IHO WG/PT to present their findings, recommendations and questions, and report back in 3 months during our next meeting in January

## 6.0 Future of this Project Team

Mark mentioned that MASS PT could wrap-up its work and present its conclusion to HSSC-15 and be dissolved as initially intended, or we could propose a motion to become a permanent IHO WG. The rationale being that MASS industrial/technological developments are still at an early age and it would be beneficiary to include industry, academia, as well as members from other parts of the world, in order to make sure that the development S100 standards and MASS technologies are aligned.

A majority of members of MASS PT present at this meeting agreed with the proposition to extend the mandate of the MASS PT. A member mentioned that someone else could be a better representative of their country depending on the future mandate. Also it was mentioned that members of existing IHO S100 WG or PT could be invited to join the new MASS PT.

Frederick Sanders informed members that he had attended a meeting about recent developments in MASS technology (DOD side) and that the industry was developing sensors and IA algorithms to insure security. The inter-connection to the current and future safety of navigation infrastructure had not been taken into account by industry. There might be a need for new data stream types to be developed in order to interconnect with the new sensors as well.

## 7.0 Any other business

none

## 8.0 Next meeting

**DECISION-20221005-1:**

The next meeting will be held virtually on MSTEAMS, on January 25<sup>th</sup>, 2023, 11:00 – 14:00 (GMT).