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REGIONAL MARINE POLLUTION EMERGENCY RESPONSE CENTRE
FOR THE MEDITERRANEAN SEA (REMPEC)



EURO-MEDITERRANEAN PARTNERSHIP

EUROMED COOPERATION ON MARITIME SAFETY AND PREVENTION OF POLLUTION FROM SHIPS
(SAFEMED)

EU-Funded MEDA Regional Project MED 2005/109-573



**SEMINAR ON THE INTERNATIONAL CONVENTION ON THE
CONTROL OF HARMFUL ANTI-FOULING SYSTEMS ON
SHIPS, 2001 (AFS CONVENTION)**

Cairo, Egypt, 24-26 April, 2007

REPORT

EUROMED

INTRODUCTION

1. The Seminar on the International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001 (AFS Convention) (hereinafter referred to as "AFS Seminar") was held at the Concorde El Salam Hotel, Cairo, Egypt, from the 24 to the 26 April 2007. The AFS Seminar was organized by the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC) in collaboration with the Egyptian Authority for Maritime Safety which hosted the Seminar. The AFS Seminar was organised within the framework of the MEDA Regional Project "Euromed Cooperation on Maritime Safety and Prevention of Pollution from Ships – SAFEMED" (MED 2005/109-573) financed by the European Community (hereinafter referred to as "the SAFEMED Project").
2. The AFS Seminar, identified as SAFEMED Task 3.8 O (sub-action (b)), was carried out under Activity 3 (Protection of the Marine Environment) of the SAFEMED Project which is being implemented by REMPEC.
3. All the ten SAFEMED Project beneficiaries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestinian Authority, Syria, Tunisia and Turkey) were invited to participate in this AFS Seminar. Besides the SAFEMED Project beneficiaries, the invitation to participate in this Seminar was also extended to all the other Contracting Parties to the Barcelona Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean.
4. The organization of the AFS Seminar was financed by the SAFEMED Project. Likewise, the participation at the Seminar of two representatives from each of the SAFEMED Project beneficiaries was also financed from the SAFEMED Project.
5. The objectives of the AFS Seminar were:
 - to familiarize participants with the AFS Convention and related European Union (EU) legislation, in particular Regulation (EC) No 782/2003 on the prohibition of organotin compounds on ships and its affect on ships entering EU ports after 1 January 2008;
 - to provide the necessary knowledge and information to encourage the ratification and implementation of the AFS Convention in the Mediterranean region; and
 - to present and discuss the procedures and guidelines developed by a Consultant for securing the removal and final disposal of anti-fouling wastes in the framework of the AFS Convention,
6. The AFS Seminar was aimed at senior government administrators from national authorities responsible for pollution prevention and control. In fact, several participants were senior officials from Environment and Maritime Affairs Departments/Agencies.

ORGANIZATION

7. REMPEC was responsible for the organization of the AFS Seminar, with the assistance of the Egyptian Authorities, hosts of the event.
8. The role of the Egyptian Authorities included:
 - identification of a local hotel;
 - identification of interpreters (English/French/English);
 - providing, at their own expense, simultaneous interpretation to the Arabic language;
 - secretarial support;
 - relations with local media;
 - organizing a social event for all the speakers and participants;

9. The role of REMPEC included:

- invitation of participants;
- preparation of the programme of the Seminar;
- identification, selection and invitation of external speakers;
- providing its own Seminar co-ordinator and moderator;
- making necessary travel and accommodation arrangements for speakers and participants;
- providing and making arrangements for the venue of the Seminar;
- covering the costs of travel and daily subsistence allowance for speakers and participants;
- providing lunch and coffee breaks for all the participants;
- providing and making arrangements for the airport/hotel/airport transfers;
- providing a Seminar file to all participants and speakers.

10. All the participants and speakers were provided with a Seminar file consisting of the following documents:

- CD with all the presentations of the Seminar together with other related supporting documentation;
- One copy of the IMO publication 'Anti-Fouling Systems (2005 Edition)';
- Copy of the EU Regulation 782/2003;
- Copy of the final Programme of the Seminar;
- Copy of the 'Information to Participants';
- Copy of the Greek Law (translated into English) transposing the AFS Convention;
- Copy of 'samples' of forms and notifications, provided by IMO;
- Registration Form;
- Evaluation Form;

The French speaking participants were given the documentation in French, as far as it was possible.

11. Captain Joseph Zerafa, SAFEMED Project Officer (Maritime Safety), acted as the co-ordinator and chairman of the AFS Seminar and was responsible for ensuring the smooth running of the AFS Seminar. With regard to the organizational aspects of the Seminar, Captain Zerafa was assisted by Mr. Souhail Ben Musbah, SAFEMED Project Officer (Accounting and Administration).

12. Like in all regional activities organized by REMPEC, the official languages of the AFS Seminar were English and French. However, the Egyptian Authorities kindly offered to provide, at their own expense, interpretation into the Arabic language. Hence all presentations were simultaneously interpreted into these three languages, namely English, French and Arabic..

13. The AFS Seminar was held at the 'Farah Meeting Room', one of the conference rooms at the Concorde El Salam Hotel, Cairo, Egypt.

14. All SAFEMED speakers and participants in the AFS Seminar were also accommodated at the Concorde El Salam Hotel Cairo.

15. The working hours of the AFS Seminar were from 09.00 to 17.00 (Days 1 and 2) and 09.00 to 12.30 (Day 3) with a lunch break between 12.30 and 14.00 and two coffee breaks (morning/afternoon).

16. The AFS Seminar was inaugurated at 09.30 hours on Tuesday the 24 April when Captain Joseph Zerafa, SAFEMED Project Officer (Maritime Safety) welcomed all the participants to the Seminar and delivered the opening remarks on behalf of Mr. Frederick Hebert, Director of REMPEC, who, due to other commitments, could not attend the Seminar. In his remarks, Captain Joseph Zerafa, amongst other things, highlighted the importance of this Seminar and the AFS Convention, including the relevant EU Regulation 782/2003 and its application, as from the 1 January 2008, to all ships visiting EU ports. He stated that the main objectives of the Seminar were namely, to facilitate the ratification and implementation of the AFS Convention, 2001, to familiarize participants with the

said Convention and the EU Regulation and also to discuss the draft Guidelines on AFS Waste that were being prepared by the Consultant , specifically recruited for this purpose. He then went on to explain, very briefly, the SAFEMED Project, its objectives, activities, the work carried out so far and the activity tasks scheduled for the future. Captain Zerafa gladly noted the positive response to this Seminar from the SAFEMED beneficiaries which indicated the interest on this subject. In concluding, Captain Zerafa thanked all the speakers for participating in the Seminar and delivering presentations. Finally, he thanked the Egyptian Authorities for accepting REMPEC's invitation to host the Seminar in Egypt and for their full co-operation and assistance.

17. In his opening remarks, R. Adm. Fayez Nobar, Vice Chairman of the Egyptian Authority for Maritime Safety, on behalf of the Egyptian Government, welcomed all the participants and speakers to Egypt and in particular to this Seminar. He then thanked REMPEC for selecting Egypt to organize this Seminar within the framework of the SAFEMED Project, a project which is of great benefit to its beneficiaries. R. Adm. Nobar then went on to mention the long standing good relations with the European Union, referring in particular to the recent Twinning Project agreement on maritime safety and pollution prevention which Egypt is very much committed to. In his speech, R. Adm. Nobar mentioned the importance of these issues not only for Egypt but also for the whole Mediterranean Region. He concluded his speech by again thanking REMPEC and wishing all the participants and speakers a fruitful Seminar and a nice stay in Cairo.

18. The Workshop was concluded on Thursday 26th April 2007 at 1230 hours. Captain Joseph Zerafa, the Seminar co-ordinator and moderator, on behalf of Mr. Hebert, the Director of REMPEC, thanked the speakers for their input during the Seminar through their excellent presentations, in particular Mr. Edward Kleverlaan of the International Maritime Organization (IMO), who, besides delivering his two presentations, also assisted REMPEC with the preparations of the Seminar. Finally, Captain Zerafa also thanked the participants for their interest and participation and, on behalf of REMPEC, thanked again the Egyptian Authorities for their assistance and cooperation in the organization of the Seminar.

19. In his closing remarks, R. Adm. Fayez Nobar, on behalf of the Egyptian Authorities, once again thanked REMPEC for organising the Seminar. He also thanked the European Commission and the International Maritime Organization (IMO) for their assistance and co-operation. He also expressed his thanks to all the other speakers and participants and wished everybody a safe journey home.

PARTICIPANTS

20. Twenty-eight participants attended the AFS Seminar. All SAFEMED beneficiaries participated, except for Israel, who had sent apologies as they could not attend. Only one participant came from the other Mediterranean coastal States not benefiting from the SAFEMED Project, namely one participant from Italy. The complete list of participants is given in **ANNEX I**.

21. Participants in the Seminar were Government officials from various ministries or governmental departments/agencies, including the Ministries of the Environment, Transport and Departments/Agencies responsible for maritime affairs. A good understanding and basic knowledge of the AFS Convention by the participants resulted in a number of questions and fruitful exchanges during the proceedings. The fact that there was also simultaneous interpretation to/from the Arabic language encouraged the participants to participate more fully throughout the Seminar.

22. The participation of two representatives from each SAFEMED Project beneficiary in the AFS Seminar was sponsored by the said project. Participants from other countries and additional delegates from the SAFEMED Project beneficiaries covered their own costs of participation.

SPEAKERS

23. Nine speakers participated in the AFS Seminar. The Chairman, Captain Joseph Zerafa, introduced the speakers and facilitated the discussion that took place during the Seminar.

24. The speakers included Mr. Michal Wieczorkiewicz, from the European Commission's Directorate-General for Energy and Transport, (EU DG-TREN), Mr. Edward Kleverlaan, from the International Maritime Organization's (IMO) Marine Environment Division, Mrs. Cato ten Hallers-Tjabbes, Consultant, Mr. Mohamed Mehrem, Consultant, Mr. Julian Hunter, representative from International Paint Ltd., Mr. Vasileios Lampropoulos, representative of Thenamaris Ships Management Inc., Mr. Bert de Vries, representative of the Netherlands' Shipbuilding Industry Association, Mrs. Sille Grjotheim, representative of the Classification Society, Det Norske Veritas and Mr. Alexander Burgel, Consultant. The complete list of lecturers is given in **ANNEX II**.

PROGRAMME

25. The programme of the AFS Seminar, reproduced in **ANNEX III**, was prepared, in collaboration with IMO, bearing in mind the objectives of the AFS Seminar, as outlined in paragraph 5 above, and was therefore designed to present the topic from different perspectives, namely from the IMO and EU perspectives, the biologist's point of view, the users, including the shipowners and the shipyards, the Classification Societies, the Maritime Administrations, and from the paint industry, which is a key element in this Convention.

26. The first presentation on Day 1 was delivered by **Dr. Cato ten Hallers-Tjabbes**, a biologist and a Consultant, entitled 'Environmental Impact of Anti-Fouling'. Dr. Tjabbes provided a comprehensive overview of the effects of TBT, the studies carried out throughout the world, but in particular in European waters, and how the results of these studies contributed to the adoption of the AFS Convention in 2001.

27. The second presentation entitled 'Effects of Anti-Fouling Wastes on Alexandria Coastal Region' was presented by **Dr. Mohamed Mehrem**, a Marine Chemist and Professor at the Arab Academy for Science, Technology and Maritime Transport in Alexandria, Egypt. Dr. Mehrem presented the detailed and comprehensive study, which he himself had undertaken, on the effects of TBT on Alexandria coastal region, including the main harbours and approaches which are mostly frequented by shipping.

28. The third presentation, entitled 'The International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001', was delivered by **Mr. Edward Kleverlaan**, Technical Officer in the Marine Environment Division of IMO. Mr. Kleverlaan presented to the participants the background to the AFS Convention, from the time when the TBT harmful effects on the marine environment were first brought to the attention of IMO until the adoption of the AFS Convention in 2001. The Convention, including all the Articles and Annexes, was explained in detail by Mr. Kleverlaan.

29. The last presentation on Day 1, entitled 'AFS Convention – The EU Approach – EU Regulation (EC) No 782/2003 on the prohibition of organotin compounds on Ships' was delivered by **Mr. Michal Wieczorkiewicz**, from the Directorate General for Energy and Transport (DG TREN). In his presentation, Mr. Wieczorkiewicz described in detail the EU legislation, including its background, its implementation process and its applicability and control procedures. At the end of this presentation, a number of questions were put to the speaker, in particular as regards the issue of this Regulation coming into force on 1 January 2008 for all ships calling at an EU port. Besides the questions put forward, the majority of the participants expressed their concern regarding their fleets, which even though small in numbers and tonnage, will not be able to meet the deadline of 1 January 2008 in order to continue operating in Europe. Due to the number of questions put to the speaker and the discussions that followed, the next presentation, which was due to be presented by Mr. Edward Kleverlaan, had to be postponed until the morning of Day 3.

30. The first presentation on Day 2, entitled 'Antifouling Paints – Technologies and the Environment – A Paint Manufacturers Perspective', was delivered by **Dr. Julian Hunter**, who is the Product Regulatory Affairs Manager with International Paint Ltd. Dr. Hunter divided his presentation in four main parts: firstly, he provided background information on fouling and the need for its prevention, then he went on to give a detailed explanation of the technologies behind the biocidal antifouling paints (TBT & TBT-Free), then he referred to the issue of environmental risk assessment of biocidal

antifoulings and lastly Dr. Hunter concluded his presentation with a detailed description of the biocide-free fouling control coatings.

31. The next presentation was delivered by **Dr. Vassilis Lampropoulos**, who is employed as a Marine Superintendent with Thenamaris Ships Management Inc., one of the leading Greek shipmanagement companies. Dr. Lampropoulos, in his presentation, delivered from the shipowner's/shipmanager's perspective, outlined the implications of the AFS Convention and the EU Regulation 782/2003 for the international shipping industry. He also covered issues relating to the existing TBT-free paints, their performance, availability and pricing. The presentation was concluded by referring to the issue of level playing field and therefore the need for the AFS Convention to come into force internationally as soon as possible.

32. The next presentation on Day 2, entitled 'Antifouling: Implications for Shipyards' was presented by **Mr. Bert de Vries**, from the Netherlands' Shipbuilding Industry Association. Mr. de Vries, with his long experience in the shipbuilding industry and in health & safety issues, gave a detailed presentation on how the shipbuilding and shiprepair industry in the Netherlands has already implemented a number of measures in line with the AFS Convention and the EU Regulation requirements, especially with respect to AFS waste management. Such measures were well described by means of photographs of systems and other measures already implemented in Dutch shipyards.

33. The next presentation was delivered by **Mrs. Sille Grjotheim**, who works for the Norwegian Classification Society, Det Norske Veritas (DNV), as a Work Process Project Manager (Senior Engineer) in the Department of Class Services and Newbuilding. In her presentation, entitled 'The Classification Society Approach – Survey and Certification', Mrs. Grjotheim described in detail the work done by DNV in respect of survey and certification both under the AFS Convention and, for EU Member States, under the EU Regulation 782/2003. Furthermore, the role of DNV as regards approvals/verifications of Anti-Fouling systems on ships and also approvals of anti-fouling paints was also covered in her presentation. Mrs. Grjotheim concluded her presentation by giving some statistical information on the number of paint approvals carried out by DNV and the type and number of certificates issued so far.

34. The next presentation, and the first one for the afternoon of DAY 2, entitled 'MEPC Res. 104 & 105 - Compliance and Inspection of Ships - Guidelines for Port State Control Officers' was presented by **Mr. Alexander Burgel**, a freelance Consultant. Mr. Burgel, who for many years worked for the Netherlands Maritime Administration with his last post being that of a Senior Policy Adviser Marine Environment and Head of the Netherlands delegation to IMO/MEPC meetings, gave a detailed explanation of the two IMO MEPC Resolutions 104 & 105 which deal with compliance and inspection and control of ships as regards the AFS Convention. He explained the importance of this part of the implementation process, namely the control that each port State should exercise as part of the implementation requirements of this Convention when this comes into force.

35. The last presentation on DAY 2 was delivered by **Dr. Cato ten Hallers-Tjabbes**, who had already delivered one presentation on Day 1. This presentation was dedicated to the 'Draft Guidelines and Procedures on safe removal and final disposal of AFS Waste' which Dr. Cato, as a recruited consultant for the SAFEMED Project, was preparing. The draft procedures were circulated to all participants prior to the Seminar. Dr. Tjabbes delivered a detailed presentation on the work that was being undertaken, how the procedures were being developed and what the procedures are intended for. After the presentation, there was a time for discussion, questions, comments and proposed amendments to the said procedures. Dr. Tjabbes took note of the comments made and the amendments proposed to the Draft Guidelines.

36. The first presentation on Day 3, entitled 'Implementing the AFS Convention – The Greek National Approach' was presented by **Captain Joseph Zerafa**, the Chairman of the Seminar. Captain Zerafa delivered the presentation on behalf of the Greek speaker, who due to other urgent commitments in Greece, could not attend the Seminar to deliver their presentation. The presentation covered the Greek approach to the AFS Convention, which was ratified by Greece, and also as regards the EU Regulation 782/2003, with Greece being an EU Member State. The Greek law, translated into English, was also distributed to the participants as part of this presentation.

37. The second presentation on Day 3, the last day of the Seminar, was presented by **Mr. Alexander Burgel**. Mr. Burgel, in his own capacity as a freelance consultant but who, as mentioned above, was previously working with the Netherlands Authorities, delivered the presentation entitled 'Implementing the AFS Convention – The Netherlands National Approach'. Mr. Burgel, in his presentation, highlighted the fact that the Netherlands have not yet ratified the AFS Convention, however, he explained the work done so far by the Netherlands in their preparations to ratify the AFS Convention as soon as possible. The fact that the Netherlands is also an EU Member State and hence must comply with the EU Regulation 782/2003, was also covered by Mr. Burgel in his presentation.

38. The next, and final presentation in this Seminar, entitled 'The Key Considerations and Steps to Ratifying the AFS Convention', was presented by **Mr. Edward Kleverlaan** of IMO. Mr. Kleverlaan, who on Day 1 had also delivered his first presentation on the AFS Convention, had to postpone this second presentation to Day 3 due to lack of time on Day 1. Mr. Kleverlaan explained in great detail the Articles of the Convention that relate to the ratification process and also handed out supporting documentation, including samples of forms and other documents.

39. In conclusion to the Seminar, a small panel, consisting of the Mr. Edward Kleverlaan of IMO, Mr. Michal Wieczorkiewicz of the EC and the Chairman, was formed. The panel, together with the full participation of the participants and the other speakers alike, discussed the final and important topic, namely 'The Lessons Learnt, Review and next Steps'. The questions and comments were overwhelming. Some delegates expressed their great concern at the implementation of the EU Regulation 782/2003 on 1 January 2008 to all ships entering EU ports, while other delegates, expressed their commitment to go back to their capitals and with the knowledge they gained from this Seminar, advise very positively for the early ratification of the AFS Convention by their governments.

40. The complete list of each presentation is given in **ANNEX VI**.

EVALUATION OF THE SEMINAR

41. At the end of the Seminar, the participants were requested to complete an Evaluation Form prepared by REMPEC in order to have their feedback on and assessment of the Seminar, and also to enable them to make suggestions that could be taken into consideration in future activities of the Centre.

42. The Evaluation Form, reproduced in **ANNEX IV**, did not include the name of the participants in order to obtain an objective assessment.

43. Out of 28 participants, 22 (76%) returned their duly completed evaluation forms. A summary of replies is given in **ANNEX V**.

44. When asked if the Seminar has met their expectations, 55% of the participants stated that the Seminar was beyond their expectations while 45 % of the participants indicated that the Seminar was more or less on par with their expectations. As regards the presentations 55% of the participants said that the presentations were 'Very Good', 32% said 'Good' while 13% of the participants said 'Quite Good'. As regards the duration of the presentations, 82% of the participants stated that the duration of the presentations was 'About Right' while 13% said that these were 'Too Long' and 5% said that the presentations were 'Not Long Enough'. The participants were also asked if they have acquired new knowledge from this Seminar and 68% replied 'Very Much' while 27% said 'Some' and only 5% said 'Not Enough'. 64% of the participants indicated that the knowledge that they have acquired during this Seminar will 'Very Much' assist them in their current work, while 36% said that it will help them 'Enough'. During such events, question time is always considered as an important factor. When the participants were asked if they had enough time for questions, 95% answered 'Yes' while only 1 participant (5%) said 'No'. All the participants (100%) agreed that the fact that they have met their counterparts from the Mediterranean region found it very useful. There were also a number of comments put forward. When asked if there were any other issues or topics that this Seminar should have covered, 13 participants (59%) gave their comments. These included, issues such as 'Technical Assistance', 'Safe disposal methods of TBT Waste', 'Training Courses' aimed at upgrading officials in port/environmental authorities' and 'Sampling Methods'. Finally, the participants were asked for any

other general comments and 12 participants (55%) gave their comments. In general, these comments were very encouraging and positive. A number of the participants expressed their appreciation and satisfaction for the good organization of the Seminar and expressed their thanks to REMPEC and the Egyptian Authorities.

CONCLUSION

45. The feedback obtained from the participants and speakers alike, both during and after the Seminar was very encouraging and very positive. The participants participated very actively throughout the Seminar by asking a number of questions, and making comments after each and every presentation. Sometimes, the discussion even continued over the coffee and lunch breaks. The fact that there was also available, thanks to the Egyptian Authorities, simultaneous interpretation into the Arabic language also greatly assisted the participants to participate more actively during this Seminar.

46. From this positive feedback received, it is clear that the main objectives of the Seminar have been met in full. With particular reference to one of the objectives, namely the familiarization with the EU Regulation 782/2003 and its effects on ships entering EU ports after 1 January 2008, the participants, who by the end of the Seminar were well aware of these requirements, have expressed very strongly their concern to the fact that their national fleets will not be able to comply with the AFS Convention/EU Regulation by the 1 January 2008 and therefore in practice will not be able to operate to any of the EU ports.

47. In conclusion, the Seminar was considered as a great success.

ANNEX(E) I

LIST OF PARTICIPANTS

LISTE DES PARTICIPANTS

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ANNEX(E) II

LIST OF LECTURERS

LISTE DES CONFERENCIERS

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ANNEX III

SEMINAR ON THE AFS CONVENTION

Cairo, Egypt, 24-26 April 2007

PROGRAMME

DAY 1	<i>Tuesday 24 April 2007</i>	
09.00 – 09.30	Registration of participants	
09.30 – 09.40	Opening	Capt. Joseph Zerafa REMPEC
09.40 – 09.50	Welcome Address	R. Adm. Fayez Nobar Egyptian Authorities
09.50 – 10.00	Introduction to workshop/objectives/logistics	Capt. Joseph Zerafa Chairman
10.00 – 10.30	<i>Coffee break</i>	
10.30 – 11.30	Problems arising from Harmful Anti-Fouling Systems	Dr. Cato ten Hallers- Tjabbes Consultant
11.30 – 12.30	Effects of Anti-Fouling Wastes on Alexandria Coastal Region	Dr. Mohamed Mehrem AASTMT, Egypt
12.30 – 14.00	<i>Lunch</i>	
14.00 – 14.45	AFS Convention – IMO Perspective	Mr. Edward Kleverlaan IMO
14.45 – 15.30	The EU Approach – EU Reg 782/2003	Mr. Michal Wieczorkiewicz EC – DG-TREN
15.30 – 16.00	<i>Coffee break</i>	
16.00 – 16.45	Implementation of the AFS Convention	Mr. Edward Kleverlaan IMO
16.45 – 17.00	Questions and discussion	

DAY 2	Wednesday 25 April 2007	
09.00 – 09.45	The Paint-Manufacturer's View - Alternative anti-fouling systems to those based on organotins	Dr. Julian Hunter Paint Manufacturers
09.45 – 10.30	Implications for Shipowners	Dr. Vassilis Lampropoulos Thenamaris Ships Management Inc.
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.45	Implications for Shipyards	Mr. Bert de Vries Netherlands' Shipbuilding Industry Association
11.45 – 12.30	The Classification Society Approach – Survey and Certification	Ms. Sille Grjotheim DNV
12.30 – 14.00	<i>Lunch</i>	
14.00 – 14.45	Compliance and Inspection of Ships – Guidelines for Port State Control Officers	Mr. Alexander Burgel Consultant
14.45 – 15.00	Questions and discussion	
15.00 – 15.30	<i>Coffee break</i>	
15.30 – 16.45	Guidelines and Procedures for the safe handling of Anti-Fouling Wastes	Dr. Cato ten Hallers- Tjabbes Consultant
16.45 – 17.00	Questions and discussion	

DAY 3	Thursday 26 April 2007	
09.00 – 09.45	Implementing the AFS Convention: The Greek National Approach	Capt. Joseph Zerafa obo Hellenic Coast Guard, Greece
09.45 – 10.30	Implementing the AFS Convention: The Netherlands National Approach	Mr. Alexander Burgel Consultant
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.45	Lessons learnt, review and next steps	Edward Kleverlaan & Capt. Joseph Zerafa
11.45 – 12.00	Questions and discussion	
12.00 – 12.30	Closing Remarks	Capt. Joseph Zerafa Chairman.
12.30 – 14.00	<i>Lunch</i>	

ANNEX IV

**SEMINAR ON THE INTERNATIONAL CONVENTION ON THE CONTROL OF HARMFUL
ANTI-FOULING SYSTEMS ON SHIPS, 2001 (AFS CONVENTION)**

Cairo, Egypt, 24-26 April, 2007

EVALUATION FORM

1. Did the seminar meet your expectations?

- Beyond your expectations
- More or less on par with your expectations
- Below your expectations

2. Generally speaking, how do you judge the content and quality of the presentations?

- Very good Quite good
- Good Not good enough

3. Did you acquire new knowledge during this Seminar?

- Very much
- Some
- Not enough

4. Will the knowledge acquired during this Seminar help you in your current work?

- Very much
- Enough
- No

5. Do you think that the duration of the presentations was adequate?

- About right
- Too long
- Not long enough

6. Did you have enough time for questions?

Yes

No

7. In your opinion, are there any other issues or topics which the Seminar should have covered?

8. Do you think that it was useful to meet other officials from the Mediterranean region?

Yes

No

9. Generally speaking, are you satisfied with the Seminar?

Very satisfied

Satisfied

Unsatisfied

10. Other comments? _____

ANNEX V

**Seminar on the International Convention on the Control of Harmful Anti-Fouling Systems
on Ships, 2001 (AFS Convention)**

Cairo, Egypt, 24-26 April, 2007

EVALUATION RESULTS

1. Did the course meet your expectations?

Beyond your expectations	55%
More or less on par with your expectations	45%
Below your expectations	-

2. Generally speaking, how do you judge the content and quality of the presentations?

Very good	55%
Good	32%
Quite good	13%
Not good enough	-

3. Did you acquire much new knowledge during this course?

Very much	68%
Some	27%
Not enough	5%

4. Will the knowledge acquired during this course help you in your current work?

Very much	64%
Enough	36%
No	-

5. Do you think that the duration of the presentations was adequate?

About right	82%
Too long	13%
Not long enough	5%

6. Did you have enough time for questions?

Yes	95%
No	5%

7. Comments on other issues or topics which the Seminar should have covered

13 comments received.

8. Do you think that it was useful to meet persons from the Mediterranean region?

Yes	100%
No	-

9. Generally speaking, are you satisfied with the Course?

Very satisfied	59%
Satisfied	41%
Unsatisfied	-

10. General Comments

12 comments received.

ANNEX VI

SEMINAR ON THE AFS CONVENTION

Cairo, Egypt, 24-26 April 2007

List of Presentations

01	Environmental Impact of Anti-Fouling	Dr. Cato ten Hallers-Tjabbes Consultant
02	Effects of Anti-Fouling Wastes on Alexandria Coastal Region	Dr. Mohamed Mehrem AASTMT, Egypt
03	The International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001	Mr. Edward Kleverlaan IMO
04	The EU Approach – EU Reg 782/2003	Mr. Michal Wieczorkiewicz EC – DG-TREN
05	Antifouling Paints – Technologies and the Environment – A Paint Manufacturer's Perspective	Dr. Julian Hunter Paint Manufacturers
06	Implications for Shipowners	Dr. Vassilis Lampropoulos Thenamaris Ships Management Inc.
07	Antifouling: Implications for Shipyards	Mr. Bert de Vries Netherlands' Shipbuilding Industry Association
08	The Classification Society Approach – Survey and Certification	Ms. Silje Grjotheim DNV
09	MEPC Res. 104 & 105 - Compliance and Inspection of Ships – Guidelines for Port State Control Officers	Mr. Alexander Burgel Consultant
10	Draft Guidelines and Procedures on safe removal and final disposal of AFS	Dr. Cato ten Hallers-Tjabbes Consultant
11	Implementing the AFS Convention: The Greek National Approach	Capt. Joseph Zerafa obo Hellenic Coast Guard, Greece
12	Implementing the AFS Convention: The Netherlands National Approach	Mr. Alexander Burgel Consultant
13	The Key Considerations and Steps to Ratifying the AFS Convention	Mr. Edward Kleverlaan Consultant