Economic Commission for Europe
Inland Transport Committee
Working Party on the Transport of Dangerous Goods
Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (ADN Safety Committee)
Twenty-ninth session
Item 5 of the provisional agenda
Reports of informal working groups

Proposal for the implementation of the modified explosion protection concept on inland waterway vessels

Transmitted by the Central Commission for the Navigation of the Rhine (CCNR)¹, ²

Corrigendum

1. 1.2, page 6

In line Classification of explosion hazardous areas, in column Paragraphs, delete occasionally after likely to occur in normal operation and add editorial in column Reason/Explanation.

2. 1.2, page 6

In line device for the safe depressurization of the cargo tanks, in column Paragraphs, at the beginning of the second sentence after When the, delete list of substances on the and insert

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substance list before according to 1.16.1.2.5 and at the end of the sentence, after most critical substance in the replace list of substances by vessel substance list and add ADN wording in column Reason/Explanation.

3. 1.2, page 7

In line Equipment, in column Paragraphs, replace the last sentence by Equipment having a UN number carried as a cargo are not included

and add Aligning language versions in column Reason/Explanation.

4. 1.2, page 9

In line Explosion protection, in column Paragraphs, at the end of the first sentence, insert damages by before explosions and add Aligning language versions in column Reason/Explanation.

5. 1.2, page 10

In line Explosion protection, in column Paragraphs, below As well as technical means such as for example, in the first indent insert installations and before equipment and replace zone by potentially explosive atmospheres and add Aligning language versions in column Reason/Explanation.

6. 1.2, page 10

In line Explosion protection, in column Paragraphs, below As well as technical means such as for example, in the third indent, delete flammable and automatically or manually.

7. 1.2, page 11

In line Gas detector, in column Paragraphs, in the last sentence of the first paragraph, replace n-Hexane by the most critical substance in the vessel substance list and add Aligning language versions in column Reason/Explanation.

8. 1.2, page 12

In line High-velocity vent valve, in column Paragraphs, at the beginning of the second sentence after When the, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

9. 1.2, page 12

In line Opening pressure, in column Paragraphs, in the first sentence mark list of substances in strike-through and insert after vessel substance list and add ADN wording in column Reason/Explanation.
10. **1.2, page 13**
   In line *Oxygen meter*, in column *Paragraphs*, in the first sentence replace *mobile* by *portable* and add ADN wording in column *Reason/Explanation*.

11. **1.2, page 14**
   In line *Sampling opening*, in column *Paragraphs*, at the beginning of the second sentence after *When the*, mark *list of substances on the* in strike-through and insert *substance list* before *according to 1.16.1.2.5* and add ADN wording in column *Reason/Explanation*.

12. **1.2, page 15**
   In line *Sampling opening*, in column *Paragraphs*, in the second sentence after *capable of withstanding steady burning*, insert *for the most critical substance in the substance list* and add Aligning language versions in column *Reason/Explanation*.

13. **1.2, page 16**
   In line *Vacuum valve*, in column *Paragraphs*, at the beginning of the second sentence after *When*, delete *the list of substances on* and insert *substance list* before *according to 1.16.1.2.5* and add ADN wording in column *Reason/Explanation*.

14. **1.2, page 16**
   In line *Vacuum valve*, in column *Paragraphs*, in the second sentence after *of the most critical substance in the*, replace *list of substances* by *vessel substance list* and add ADN wording in column *Reason/Explanation*.

15. **1.2, page 16**
   In line *Zoning*, in column *Paragraphs*, in the first sentence after *for tank vessels whose*, delete *list of substances on the* and insert *substance list* before *according to 1.16.1.2.5* and add ADN wording 2x in column *Reason/Explanation*.

16. **1.2, page 16**
   In line *Zoning*, in column *Paragraphs*, under *Zone 0 comprises:*, in the first indent, replace *tank-containers or portable tanks* by *receptacles for residual products and for slops*.

17. **1.2, page 17**
   In line *Zoning*, in column *Paragraphs*, under *Zone 2 comprises:*, in the first indent, insert *within the cargo area* after *An area on deck* and add Aligning language versions in column *Reason/Explanation*.
18. 1.4, page 18

In Paragraph 1.4.3.3 (r), in column Modification, mark *flame fronts* in strike-through and insert after *passage of flames* and add ADN wording in column Reason/Explanation.

19. 1.4, page 18

In Paragraph 1.4.3.3 (s), in column Modification, read:

He shall ascertain that the loading flows conform to the *loading instructions on loading and unloading flows* referred to in 9.3.2.25.9 or 9.3.3.25.9 and that the pressure at the crossing-point of the gas discharge pipe, venting piping/vapour return piping or the compensation pipe is not greater than the opening pressure of the *pressure relief device* or *high velocity vent valve*.

and add ADN wording in column Reason/Explanation.

20. 1.4, page 18

In Paragraph 1.4.3.7.1 (i), in column Modification, mark *gas discharge pipe* in strike-through and insert after *venting piping* and replace *flame fronts* by *passage of flames* and add ADN wording in column Reason/Explanation.

21. 1.4, page 19

In Paragraph 1.4.3.7.1 (j), in column Modification, replace *gas discharge pipe* by *venting piping* and add ADN wording in column Reason/Explanation.

22. 1.6.7.2.2.2 Table of general transitional provisions: Tank vessels, page 19

In Paragraph 8.1.2.3 (r), (s), (t), (v), in column Time limit and comments, replace *gas-freeing* by *degassing* and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

23. 1.6.7.2.2.2 Table of general transitional provisions: Tank vessels, page 32

In Paragraph 9.3.1.53.1 9.3.2.53.1 9.3.3.53.1, in column Time limit and comments, in letter (a), the beginning of the sentence reads *In cargo tanks*.

24. 1.6.7.2.2.2 Table of general transitional provisions: Tank vessels, page 33

In Paragraph 9.3.1.53.1 9.3.2.53.1 9.3.3.53.1, in column Time limit and comments, in the last paragraph of letter (c), replace *list of substances* by *vessel substance list* and add ADN wording in column Reason/Explanation.
25. **1.6.7.2.2 Table of general transitional provisions: Tank vessels**, page 33

   In Paragraph 9.3.1.53.1 9.3.2.53.1 9.3.3.53.1, in column Time limit and comments, in the first paragraph after letter (c), replace *gas-freeing* by *degassing* and add *Agreed upon in January meeting of the safety committee* in column Reason/Explanation.

26. **3. Table C, page 35**

   In Paragraph 3.2.3.1.1 Explanations concerning Table C: Column (16), in column Time limit and comments, in the first paragraph after letter (c), replace *relief device* by *valve* and insert *safe* before *depressurization of cargo tanks* and add *editorial* in column Reason/Explanation.

27. **3. Table C, page 36**

   In Paragraph 3.2.3.1.1 Explanations concerning Table C: Column (20) "Additional requirements/ Remarks" 6., in column Time limit and comments, in the second sentence, replace *pipe* by *piping* and add *ADN wording* in column Reason/Explanation.

28. **3. Table C, page 36**

   In Paragraph 3.2.3.1.1 Explanations concerning Table C: Column (20) "Additional requirements/ Remarks" 7., in column Time limit and comments, in the first sentence, replace *pipe* by *piping* and add *ADN wording* in column Reason/Explanation.

29. **7.1, page 38**

   In Paragraph 7.1.3.41.1, in column Modification, insert *windows, doors, skylights and hatches are closed or after or wheelhouses in case* and add *Aligning language versions* in column Reason/Explanation.

30. **7.2, page 41**

   In Paragraph 7.2.2.6, in column Modification, at the beginning of the sentence delete *list of substances on the* and insert *substance list* before *according to 1.16.1.2.5* and add *ADN wording* in column Reason/Explanation.

31. **7.2, page 41**

   In Paragraph 7.2.2.6, in column Modification, at the end of the sentence, add an *s* to *substance* and delete *in the list of substances* and insert *allowed for carriage in the vessel* after *substances*.

32. **7.2, page 41 and 42**

   In Paragraph 7.2.2.19.3, in column Modification, in the first paragraph delete *this vessel equals an onshore assigned zone and* and add *Agreed upon in January meeting of the safety committee* in column Reason/Explanation.
33. 7.2, page 43

In Paragraph 7.2.3.51.4 new, in column Modification, in the last paragraph delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

34. 7.2, page 43

In Paragraph 7.2.3.51.4 new, in column Modification, in the last paragraph, replace gas-freeing by degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

35. 7.2, page 43

In Paragraph 7.2.3.51.5 new, in column Modification, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

36. 7.2, page 43

In Paragraph 7.2.3.51.7 new, in column Modification, replace gas-freeing by degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

37. 7.2, page 44

In Paragraph 7.2.4.16.3, in column Modification, mark gas-freeing in strike-through and insert after degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

38. 7.2, page 44

In Paragraph 7.2.4.16.6, in column Modification, replace gas discharge pipe by venting piping and add ADN wording in column Reason/Explanation.

39. 7.2, page 44

In Paragraph 7.2.4.16.7, in column Modification, mark gas-freeing in strike-through and insert after degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

40. 7.2, page 44

In Paragraph 7.2.4.17.1, in column Modification, mark gas-freeing in strike-through and insert after degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.
41. 7.2, page 45

In Paragraph 7.2.4.22.2, in column Modification, mark outlets in strike-through and insert after openings and add ADN wording in column Reason/Explanation.

42. 7.2, page 45

In Paragraph 7.2.4.22.3, in column Modification, mark outlets in strike-through and insert after openings and add ADN wording in column Reason/Explanation.

43. 7.2, page 45

In Paragraph 7.2.4.22.5, in column Modification, in the last sentence, replace educated by instructed and add editorial in column Reason/Explanation.

44. 7.2, page 46

In Paragraph 7.2.4.25.5, add Not identique to the german version of ADN2015 at the beginning of column Reason/Explanation.

45. 7.2, page 46

In Paragraph 7.2.4.25.5, in column Modification, in the second paragraph, in the first sentence, delete requiring after column (17) of Table C of Chapter 3.2 and replace venting by vapour return and add editorial in column Reason/Explanation.

46. 7.2, page 46

In Paragraph 7.2.4.25.5, in column Modification, in the third paragraph, the sentence shall be underlined and add sentence needs to be underlined in column Reason/Explanation.

47. 7.2, page 46

In Paragraph 7.2.4.25.7 new, in column Modification, replace gas discharge pipe by venting piping and add ADN wording in column Reason/Explanation.

48. 7.2, page 47

In Paragraph 7.2.4.41, in column Modification, mark gas-freeing in strike-through and insert after degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

49. 8.1, page 48

In Paragraph 8.1.2.2, in column Modification, under letter (e), replace of "limited explosion risk" type by suitable to be used in zone 1 and add editorial in column Reason/Explanation.
50. 8.1, page 48

In Paragraph 8.1.2.2, in column Modification, under letter (f), replace and by, after to be used during loading and insert, degassing during berthing, after unloading and add Aligning language versions in column Reason/Explanation.

51. 8.1, page 49

In Paragraph 8.1.2.3, in column Modification, in the first sentence, mark carried in strike-through and insert after available and add editorial in column Reason/Explanation.

52. 8.1, page 50

In Paragraph 8.1.2.3, in column Modification, under letter (q), add and the documentation of the after (7.2.4.16.16, 7.2.4.16.17.) Mark The before heat and shall be documented and kept on board in strike-through. Add editorial in column Reason/Explanation.

53. 8.1, page 50

In Paragraph 8.1.2.3, in column Modification, under letter (s), replace gas-freeing by degassing and add Agreed upon in January meeting of the safety committee in column Reason/Explanation.

54. 8.1, page 50

In Paragraph 8.1.2.3, in column Modification, under letter (t), insert approved by a recognized classification society after a drawing and add Aligning language versions in column Reason/Explanation.

55. 8.1, page 52

In Paragraph 8.1.7.3 new, in column Modification, in the first sentence, delete electrical and non-electrical.

56. 8.1, page 52

In Paragraph 8.1.7.3 new, in column Modification, in the second sentence, replace use by further usability and replace has to be by shall and add editorial 2x in column Reason/Explanation.

57. 8.3, page 53

In Paragraph 8.3.2, in column Modification, in the last sentence, replace With by Within and add editorial in column Reason/Explanation.
58. 8.3, page 54

In Paragraph 8.3.5, in column Modification, at the beginning of the first sentence, mark maintenance in strike-through and add New zone concept in column Reason/Explanation.

59. 8.3, page 54

In Paragraph 8.3.5, in column Modification, in the sentence before the last paragraph, delete the vessel is furnished with and insert is issued at the end of the sentence. Add editorial in column Reason/Explanation.

60. 8.6, page 56

In Paragraph 8.6.3 ADN Checklist 12.3, in column Modification, the paragraph reads:

When anti-...in Chapter according to 3.2, in Table C, column (17) in 3.2.3.2 does ensured by the shore installation ensure...that the vapour return piping is such that the vessel is protected against detonations and passage of flames flame fronts from the shore. (Explosion group / subgroup according to 3.2.3.2 Table C, column (16))

Add ADN wording in column Reason/Explanation.

61. 9.1, page 57

In Paragraph 9.1.0.12.3, in column Modification, under letter (d) insert a new paragraph after the first paragraph:

These operations shall be performed immediately and automatically and activate the emergency lighting if necessary.

and add Aligning language versions in column Reason/Explanation.

62. 9.1, page 60

In Paragraph 9.1.0.53.2 new, in column Modification, insert plug after to prevent. Insert and disconnections after connections. Delete being made before except when.

Add editorial in column Reason/Explanation.

63. 9.1, page 60

In Paragraph 9.1.0.53.6 new, in column Modification, insert during after the protected area and add editorial in column Reason/Explanation.

64. 9.3, page 62

In Paragraph 9.3.1.10.3, in column Modification, in the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.
65. 9.3, page 63

In Paragraph 9.3.2.10.3 9.3.3.10.3, in column Modification, in the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

66. 9.3, page 65

In Paragraph 9.3.2.11.2, in column Modification, under letter (f), at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

67. 9.3, page 65

In Paragraph 9.3.2.11.2, in column Modification, under letter (f), at the end of the first sentence, after has reached 20% of the LEL of the cargo or 20% of the LEL of replace the cargo by n-Hexane and add Aligning language versions in column Reason/Explanation.

68. 9.3, page 65

In Paragraph 9.3.1.12.3 9.3.2.12.3, in column Modification, under letter (b), at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

69. 9.3, page 65

In Paragraph 9.3.3.12.3, in column Modification, under letter (b), at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.

70. 9.3, page 69

In Paragraph 9.3.1.17.6, in column Modification, in the seventh indent, in the first sentence, delete by means of direct-measuring sensors and add Aligning language versions in column Reason/Explanation.

71. 9.3, page 69

In Paragraph 9.3.1.17.6, in column Modification, in the seventh indent, at the end of the first sentence, replace Vol% by % volume add ADN wording in column Reason/Explanation.

72. 9.3, page 69

In Paragraph 9.3.1.17.6, in column Modification, in the paragraph after the eighth indent, at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording in column Reason/Explanation.
73. **9.3, page 70**

   In Paragraph 9.3.1.17.6, in column *Modification*, in the paragraph after the eighth indent, at the end of the first sentence, insert *whatever gives the more critical value after of the cargo or 20% of the LEL of n-Hexane* and add *Aligning language versions* in column *Reason/Explanation*.

74. **9.3, page 70**

   In Paragraph 9.3.2.17.6 9.3.3.17.6, in column *Modification*, in the seventh indent, at the end of the first sentence, replace *Vol%* by *% volume* and add *ADN wording* in column *Reason/Explanation*.

75. **9.3, page 71**

   In Paragraph 9.3.2.17.6 9.3.3.17.6, in column *Modification*, in the paragraph after the eighth indent, at the beginning of the first sentence, delete *list of substances on the* and insert *substance list* before *according to 1.16.1.2.5* and add *ADN wording* in column *Reason/Explanation*.

76. **9.3, page 71**

   In Paragraph 9.3.2.17.6 9.3.3.17.6, in column *Modification*, at the beginning of the first sentence, mark *list of substances on the* in strike-through and insert *substance list* before *according to 1.16.1.2.5* and add *ADN wording* 2x in column *Reason/Explanation*.

77. **9.3, page 71**

   In Paragraph 9.3.2.20.4 9.3.3.20.4, in column *Modification*, at the beginning of the first sentence, delete *list of substances on the* and insert *substance list* before *according to 1.16.1.2.5* and add *ADN wording* 2x in column *Reason/Explanation*.

78. **9.3, page 71**

   In Paragraph 9.3.2.20.4 9.3.3.20.4, in column *Modification*, at the end of the second sentence, delete *list of substances on the* and insert *substance list* before *see column (16) of Table C in 3.2.3.2)*.

79. **9.3, page 72**

   In Paragraph 9.3.2.21.1, in column *Modification*, under letter (g), at the beginning of the first sentence, delete *list of substances on the* and insert *substance list* before *according to 1.16.1.2.5* and add *ADN wording* 2x in column *Reason/Explanation*. 
80. 9.3, page 71

In Paragraph 9.3.2.21.1, in column Modification, under letter (g), at the end of the second sentence, delete list of substances on the and insert substance list before (see column (16) of Table C in 3.2.3.2).

81. 9.3, page 72

In Paragraph 9.3.3.21.1, in column Modification, under letter (g), at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording 2x in column Reason/Explanation.

82. 9.3, page 72

In Paragraph 9.3.3.21.1, in column Modification, under letter (g), at the end of the second sentence, delete list of substances on the and insert substance list before (see column (16) of Table C in 3.2.3.2).

83. 9.3, page 73

In Paragraph 9.3.3.21.7, in column Modification, under letter (b), insert of the vacuum valve after vacuum pressure and add Aligning language versions in column Reason/Explanation.

84. 9.3, page 74

In Paragraph 9.3.2.22.4, in column Modification, under letter (a), in the last sentence delete and no work is being carried out and signs indicate the area and add a new last sentence Signs shall indicate the area as range of danger, and add editorial in column Reason/Explanation.

85. 9.3, page 74

In Paragraph 9.3.2.22.4, in column Modification, under letter (b), at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and add ADN wording 2x in column Reason/Explanation.

86. 9.3, page 75

In Paragraph 9.3.2.22.4, in column Modification, under letter (c), at the beginning of the first sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5

87. 9.3, page 75

In Paragraph 9.3.2.22.4, in column Modification, for the paragraph after letter (c), insert (d) before If shut-off devices and add More clear in column Reason/Explanation.
88. **9.3, page 75**

In Paragraph 9.3.2.22.4, in column *Modification*, letter *(d)* becomes letter *(e)*. In the first paragraph add *which will be* after *subgroup of the substances*. Delete *list of substances on the* and insert *substance list* before *see column (16) of Table C in 3.2.3.2). Add ADN wording in column *Reason/Explanation.*

89. **9.3, page 75**

In Paragraph 9.3.2.22.4, in column *Modification*, in the first paragraph after letter *(e)*, in the last sentence delete *and no work is being carried out and signs indicate the area* and add a new last sentence *Signs shall indicate the area as range of danger,* and add editorial in column *Reason/Explanation.*

90. **9.3, page 75**

In Paragraph 9.3.2.22.4, in column *Modification*, in the last paragraph, replace *pipe* by *piping*, delete *in closed vessels after heatable for carriage*, replace *have to* by *shall* and add *Aligning language versions* in column *Reason/Explanation.*

91. **9.3, page 75**

In Paragraph 9.3.2.22.4, in column *Modification*, under *open N Type*; in the second indent, at the beginning of the sentence, delete *safety* and add *Aligning language versions* in column *Reason/Explanation.*

92. **9.3, page 76**

In Paragraph 9.3.3.22.4, in column *Modification*, under *closed N Type*; in the first indent, mark *safety devices for preventing unacceptable overpressure or vacuum* in strike-through and add *double* in column *Reason/Explanation.*

93. **9.3, page 76**

In Paragraph 9.3.3.22.4, in column *Modification*, under *closed N Type*; in the paragraph before letter *(b)*, delete *a device for the safe depressurization of the tanks which clearly indicates whether it is open or shut* and add a new letter *(a)* to read as *a connection for the safe return ashore of gases expelled during loading*.

94. **9.3, page 76**

In Paragraph 9.3.3.22.4, in column *Modification*, under *closed N Type*; under letter *(b)*, replace *a connection for the safe return ashore of gases expelled during loading* by *a device for the safe depressurization of the tanks which clearly indicates whether it is open or shut* and add *Aligning language versions* in column *Reason/Explanation.*
95. 9.3, page 76
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (b), delete text under letter (d) and delete letter (d).

96. 9.3, page 76
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, letter (e) becomes letter (d).

97. 9.3, page 76
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (d), at the beginning of the first sentence, replace when the list of substances on the vessel by If the vessel substance list.

98. 9.3, page 76
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (d), in the second indent, at the end of the sentence, delete capable of withstanding a detonation and add superfluos in column Reason/Explanation.

99. 9.3, page 76
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (d), in the paragraph under the third indent, insert which will be after subgroup of the substances, delete list of substances on the and insert substance list before (see column (16) of Table C in 3.2.3.2). Add ADN wording in column Reason/Explanation.

100. 9.3, page 77
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (d), in the second paragraph under the third indent, delete in closed vessels and add superfluos in column Reason/Explanation.

101. 9.3, page 77
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (d), in the second paragraph under the third indent, delete in closed vessels and add superfluos in column Reason/Explanation.

102. 9.3, page 77
In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, under letter (d), insert a new last paragraph to read as If shut-off devices will be mounted between the venting piping and the cargo tank this devices shall be mounted between the cargo tank and the flame arrestor and each cargo tank has to be equipped with its own pressure relieve valves. and add Aligning language versions in column Reason/Explanation.
103. 9.3, page 77

In Paragraph 9.3.3.22.4, in column Modification, under closed N Type:, letter (f) becomes letter (e).

104. 9.3, page 77

In Paragraph 9.3.3.22.4, in column Modification, under letter (e), in the last sentence delete *and signs indicate the area as range of danger where work is not allowed to be carried out*, and add a new last sentence *Signs shall indicate the area as range of danger*, and add editorial in column Reason/Explanation.

105. 9.3, page 77

In Paragraph 9.3.2.22.5 9.3.3.22.5, in column Modification, under letter (a), insert *(devices for preventing unacceptable overpressure or vacuum, high velocity vent valve, deflagration safe vacuum valve, deflagration safe device for the safe depressurization of the tanks)* after *the equipment according to 9.3.x.22.4* and add *More Clear* in column Reason/Explanation.

106. 9.3, page 80

In Paragraph 9.3.2.26.2 in column Modification, in the first and second paragraph after the third indent, at the beginning of the first sentence, delete two times *list of substances on the* and insert *substance list* before *according to 1.16.1.2.5*. Add ADN wording 3x in column Reason/Explanation.

107. 9.3, page 80

In Paragraph 9.3.2.26.2, in column Modification, in the fourth paragraph after the third indent, at the end of the sentence, replace *list of substances on the vessel* by *vessel substance list*.

108. 9.3, page 80

In Paragraph 9.3.3.26.2, in column Modification, under *in the case of a protected system:*, cut *– an ullage opening; and – connections, with stop valves, for pipe and hose assemblies*; and paste below *in the case of a protected system: and add Aligning language versions* in column Reason/Explanation.

109. 9.3, page 81

In Paragraph 9.3.3.26.2, in column Modification, under *in the case of a closed system:*, under letter (a), in the last paragraph, in the first sentence, replace *they do* by *it does* and add editorial in column Reason/Explanation.
110. 9.3, page 81
In Paragraph 9.3.3.26.2 in column Modification, under in the case of a closed system:, under letter (a), in the last paragraph, at the end the last sentence, insert for the substances to be transported and add Aligning language versions in column Reason/Explanation.

111. 9.3, page 81
In Paragraph 9.3.3.26.2 in column Modification, under in the case of a closed system:, under letter (b), in the first paragraph, delete list of substances on the and insert substance list before according to 1.16.1.2.5 and Add ADN wording 2x in column Reason/Explanation.

112. 9.3, page 81
In Paragraph 9.3.3.26.2 in column Modification, under in the case of a closed system:, under letter (b), in the last paragraph, insert subgroup after explosion group and delete list of substances on the and insert substance list before (see column (16) of Table in 3.2.3.2 C). Add ADN wording 2x in column Reason/Explanation.

113. 9.3, page 81
In Paragraph 9.3.3.26.2 in column Modification, in the last sentence, delete of a tank for residual products and Add superflous in column Reason/Explanation.

114. 9.3, page 84
In Paragraph 9.3.1.51 new 9.3.2.51 new 9.3.3.51 new 2 in column Modification, under letter (c), at the beginning of the sentence, delete list of substances on the and insert substance list before according to 1.16.1.2.5. Add ADN wording in column Reason/Explanation.

115. 9.3, page 86
In Paragraph 9.3.1.53.19.3.2.53.1 9.3.3.53.1 in column Modification, in the second paragraph, delete list of substances on the and insert substance list before (see column (15) and (16) of Table C in 3.2.3.2,) and add ADN wording 3x in column Reason/Explanation.

116. 9.3, page 86
In Paragraph 9.3.1.53.19.3.2.53.1 9.3.3.53.1 in column Modification, in the third and fourth paragraph, delete list of substances on the and insert substance list before according to 1.16.1.2.5.

117. 9.3, page 86
In Paragraph 9.3.1.53.29.3.2.53.2 9.3.3.53.2 in column Modification, in the second paragraph, insert shall be led after shell plating and add Sentence incomplete in column Reason/Explanation.
118. Annex 2, page 92

In line Receptacle for slops, in column Paragraphs, at the end of the sentence insert (font size 10 cm).

119. Annex 2, page 92

In Paragraph 7.2.4.1.1, in column Modification, in the first indent, insert, located not less than one quarter of the vessel’s breadth from the outer shell after receptacles for slops shall be properly secured in the cargo area.

120. Annex 2, page 93

In Paragraph 7.2.4.15.2, in column Modification, delete the last sentence.