CCNR-ZKR/ADN/WP.15/AC.2/41/INF.3

28 November 2022

Or. GERMAN

JOINT MEETING OF EXPERTS ON THE REGULATIONS ANNEXED TO THE AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS (ADN) (SAFETY COMMITTEE)

(Forty-first meeting, Geneva, 23 – 27 January 2023)

Item 4 (d) of the provisional agenda

**Implementation of the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN): Training of experts**

 Summary document for the catalogue of questions "Chemicals"

 Transmitted by the Central Commission for the Navigation of the Rhine

| Number | Source | Response | Remarks | Dealt with on |
| --- | --- | --- | --- | --- |
| **Knowledge of physics and chemistry** |  |  |  |  |
|  |  |  |  |  |
| **Objective 1** |  |  |  |  |
|   |   |   |   |   |
| 331 01.0-01 | Basic general knowledge | B |   | 06.06.2011 |
| 331 01.0-02 | Basic general knowledge | B |   | 06.06.2011 |
| 331 01.0-03 | Basic general knowledge | C |   | 06.06.2011 |
| 331 01.0-04 | Basic general knowledge | D |   | 06.06.2011 |
| 331 01.0-05 | Basic general knowledge | B |   | 06.06.2011 |
| 331 01.0-06 | Basic general knowledge | A |   | 06.06.2011 |
| 331 01.0-07 | Basic general knowledge | B |   | 06.06.2011 |
| 331 01.0-08 | Basic general knowledge | C |   |   |
|  |   |   |   |   |
| **Objective 2** |   |   |   |   |
|   |   |   |   |   |
| 331 02.0-01 | Basic knowledge of physics | C |   | 06.06.2011 |
| 331 02.0-02 | Basic knowledge of physics | B |  | 06.06.2011 |
| 331 02.0-03 | Basic knowledge of physics | D |   | 22.09.2022 |
| 331 02.0-04 | Basic knowledge of physics | A |   | 30.09.2014 |
| 331 02.0-05 | Basic knowledge of physics | C |   | 22.09.2022 |
| 331 02.0-06 | Basic knowledge of physics | C |   | 06.06.2011 |
| 331 02.0-07 | Basic knowledge of physics | B |   | 06.06.2011 |
| 331 02.0-08 | Basic knowledge of physics | A |   | 06.06.2011 |
| 331 02.0-09 | Basic knowledge of physics | A |   | 06.06.2011 |
| 331 02.0-10 | Basic knowledge of physics | C |   | 06.06.2011 |
| 331 02.0-11 | Basic knowledge of physics | B |   | 06.06.2011 |
| 331 02.0-12 | Basic knowledge of physics | B |   | 13.03.2012 |
| 331 02.0-13 | Basic knowledge of physics | C |   | 06.06.2011 |
| 331 02.0-14 | Basic knowledge of physics | B |   | 06.06.2011 |
| 331 02.0-15 | Basic knowledge of physics | C |   | 22.09.2022 |
| 331 02.0-16 | Basic knowledge of physics | D |   | 06.06.2011 |
| 331 02.0-17 | Basic knowledge of physics | B |   | 06.06.2011 |
| 331 02.0-18 | Basic knowledge of physics | A |   | 06.06.2011 |
| 331 02.0-19 | Basic knowledge of physics | D |   | 06.06.2011 |
| 331 02.0-20 | Basic knowledge of physics | D |   | 06.06.2011 |
| 331 02.0-21 | Basic knowledge of physics | B |   | 28.09.2016 |
| 331 02.0-22 | Basic knowledge of physics | C |   | 22.09.2022 |
| 331 02.0-23 | Basic knowledge of physics | C |   | 30.09.2014 |
|   |   |   |   |   |
| **Objective 3** |   |   |   |   |
|  |  |  |  |   |
| 331 03.0-01 | Basic knowledge of physics | C |   | 22.09.2022 |
| 331 03.0-02 | Basic knowledge of physics | B |   | 22.09.2022 |
| 331 03.0-03 | Basic knowledge of physics | B |   | 13.03.2012 |
| 331 03.0-04 | Basic knowledge of physics | A |   | 13.03.2012 |
| 331 03.0-05 | Basic knowledge of physics | D |   | 06.06.2011 |
| 331 03.0-06 |   |   | deleted (2012) | 13.03.2012 |
| 331 03.0-07 | Basic knowledge of physics | C |   | 22.09.2022 |
| 331 03.0-08 | Basic knowledge of physics | A |   | 06.06.2011 |
| 331 03.0-09 | Basic knowledge of physics | B |   | 06.06.2011 |
| 331 03.0-10 | Basic knowledge of physics | C |   | 06.06.2011 |
| 331 03.0-11 | Basic knowledge of chemistry | A |   | 22.09.2022 |
|   |   |   |   |   |
| **Objective 4** |   |   |   |   |
|   |   |   |   |   |
| 331 04.0-01 | Basic knowledge of substances | B |   | 30.09.2014 |
| 331 04.0-02 | Basic knowledge of substances | B |   | 30.09.2014 |
| 331 04.0-03 | Basic knowledge of substances | C |   | 13.03.2012 |
| 331 04.0-04 | Basic knowledge of substances | B |   | 06.06.2011 |
| 331 04.0-05 | Basic knowledge of substances | C |   | 06.06.2011 |
| 331 04.0-06 | Basic knowledge of substances | A |   | 06.06.2011 |
| 331 04.0-07 | Basic knowledge of substances | C |   | 06.06.2011 |
| 331 04.0-08 | Basic knowledge of substances | B |   | 30.09.2014 |
|   |   |   |   |   |
| **Objective 5** |   |  |  |  |
|   |   |  |  |  |
| 331 05.0-01 | Basic knowledge of substances – ρ = m/V | B |   | 06.06.2011 |
| 331 05.0-02 | Basic knowledge of substances – ρ = m/V | C |   | 13.03.2012 |
| 331 05.0-03 | Basic knowledge of substances – ρ = m/V | A |   | 19.09.2018 |
| 331 05.0-04 | Basic knowledge of substances – ρ = m/V | B |   | 06.06.2011 |
| 331 05.0-05 | Basic knowledge of substances – ρ = m/V | C |   | 22.09.2022 |
| 331 05.0-06 | Basic knowledge of substances – ρ = m/V | B |   | 06.06.2011 |
| 331 05.0-07 | Basic knowledge of substances – ρ = m/V | B |   | 13.03.2012 |
| 331 05.0-08 | Basic knowledge of substances – ρ = m/V | A |   | 06.06.2011 |
| 331 05.0-09 | Basic knowledge of substances – ρ = m/V | C |   | 13.03.2012 |
| 331 05.0-10 | Basic knowledge of substances – ρ = m/V | A |   | 22.09.2022 |
| 331 05.0-11 | Basic knowledge of substances – ρ = m/V | A |   | 06.06.2011 |
| 331 05.0-12 | Basic knowledge of substances – ρ = m/V | C |   | 06.06.2011 |
| 331 05.0-13 | Basic knowledge of substances – ρ = m/V | A |   | 22.09.2022 |
| 331 05.0-14 | Basic knowledge of substances – ρ = m/V | C |   | 06.06.2011 |
| 331 05.0-15 | Basic knowledge of substances – ρ = m/V | C |   | 06.06.2011 |
| 331 05.0-16 | Basic knowledge of substances – ρ = m/V | B |   | 06.06.2011 |
|   |   |   |   |   |
| **Objective 6** |   |   |   |   |
|   |   |   |   |   |
| 331 06.0-01 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 06.0-02 | Basic knowledge of chemistry | D |   | 19.09.2018 |
| 331 06.0-03 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 06.0-04 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 06.0-05 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 06.0-06 | Basic knowledge of chemistry | B |   | 28.09.2016 |
| 331 06.0-07 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 06.0-08 | Basic knowledge of chemistry | B |   | 06.06.2011 |
|   |   |   |   |   |
| **Objective 7** |   |   |   |   |
|   |   |   |   |   |
| 331 07.0-01 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 07.0-02 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 07.0-03 | Basic knowledge of chemistry | D |   | 13.03.2012 |
| 331 07.0-04 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 07.0-05 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 07.0-06 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 07.0-07 | Basic knowledge of chemistry | A |   | 10.12.2020 |
| 331 07.0-08 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 07.0-09 | Basic knowledge of chemistry | B |   | 30.09.2014 |
| 331 07.0-10 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 07.0-11 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 07.0-12 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 07.0-13 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 07.0-14 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 07.0-15 | Basic knowledge | A |   | 28.09.2016 |
|   |   |   |   |   |
| **Objective 8** |   |   |   |   |
|   |   |   |   |   |
| 331 08.0-01 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 08.0-02 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 08.0-03 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 08.0-04 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 08.0-05 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 08.0-06 | Basic knowledge of chemistry | B |   | 22.09.2022 |
| 331 08.0-07 | Basic knowledge | D |   | 22.09.2022 |
| 331 08.0-08 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 08.0-09 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 08.0-10 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 08.0-11 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 08.0-12 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 08.0-13 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 08.0-14 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 08.0-15 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 08.0-16 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 08.0-17 | Basic knowledge of chemistry | C |   | 06.06.2011 |
|   |   |   |   |   |
| **Objective 9** |   |   |   |   |
|   |   |   |   |   |
| 331 09.0-01 | Basic knowledge of chemistry | B |   | 22.09.2022 |
| 331 09.0-02 | Basic knowledge of chemistry | C | Modification only in German | 22.09.2022 |
| 331 09.0-03 | Basic knowledge of chemistry | A | Modification only in German | 22.09.2022 |
| 331 09.0-04 | Basic knowledge of chemistry | D | Modification only in German | 22.09.2022 |
| 331 09.0-05 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 09.0-06 | Basic knowledge of chemistry | B |   | 10.12.2020 |
| 331 09.0-07 | Basic knowledge of chemistry | D |   | 13.03.2012 |
| 331 09.0-08 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 09.0-09 | Basic knowledge of chemistry | C |  | 06.06.2011 |
| 331 09.0-10 | Basic knowledge of chemistry | D | Modification only in German | 22.09.2022 |
| 331 09.0-11 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 09.0-12 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 09.0-13 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 09.0-14 | Basic knowledge of chemistry | D | Modification only in German | 22.09.2022 |
| 331 09.0-15 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 09.0-16 | Basic knowledge of chemistry | A |   | 06.06.2011 |
|   |   |   |   |   |
| **Objective 10** |   |   |   |   |
|   |   |   |   |   |
| 331 10.0-01 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 10.0-02 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 10.0-03 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 10.0-04 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 10.0-05 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 10.0-06 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 10.0-07 | Basic knowledge of chemistry | A |   | 13.03.2012 |
|   |   |   |   |   |
| **Objective 11** |   |   |   |   |
|   |   |   |   |   |
| 331 11.0-01 | Basic knowledge of chemistry | A |   | 30.09.2014 |
| 331 11.0-02 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 11.0-03 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 11.0-04 | Basic knowledge of chemistry | B |   | 13.03.2012 |
| 331 11.0-05 | Basic knowledge of chemistry | C |   | 22.09.2022 |
| 331 11.0-06 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 11.0-07 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 11.0-08 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 11.0-09 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 11.0-10 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 11.0-11 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 11.0-12 | Basic knowledge of chemistry | A |   | 19.09.2018 |
| 331 11.0-13 | Basic knowledge of chemistry | D |   | 19.09.2018 |
| 331 11.0-14 | Basic knowledge of chemistry | B |   | 19.09.2018 |
| 331 11.0-15 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 11.0-16 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 11.0-17 | Basic knowledge of chemistry | B |   | 19.09.2018 |
| 331 11.0-18 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 11.0-19 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 11.0-20 |   |   | deleted (2011) | 06.06.2011 |
|   |   |   |   |   |
| **Objective 12** |   |   |   |   |
|   |   |   |   |   |
| 331 12 0-01 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 12.0-02 | Basic knowledge of chemistry | A |   | 30.09.2014 |
| 331 12.0-03 | Basic knowledge of chemistry | B |   | 10.12.2020 |
| 331 12.0-04 | Basic knowledge of chemistry | A |   | 30.09.2014 |
| 331 12.0-05 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 12.0-06 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 12.0-07 | Basic knowledge of chemistry | B |   | 22.09.2022 |
| 331 12.0-08 | Basic knowledge of chemistry | C |   | 06.06.2011 |
| 331 12.0-09 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 12.0-10 | Basic knowledge of chemistry | A |   | 13.03.2012 |
| 331 12.0-11 | Basic knowledge of chemistry | A |   | 06.06.2011 |
| 331 12.0-12 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 12.0-13 | Basic knowledge of chemistry | D |   | 06.06.2011 |
| 331 12.0-14 | Basic knowledge of chemistry | B |   | 06.06.2011 |
| 331 12.0-15 | Basic knowledge of chemistry | A |   | 22.09.2022 |
| 331 12.0-16 | Basic knowledge of chemistry | D |   | 30.09.2014 |
|   |   |   |   |   |
| **Practice** |  |  |  |  |
|   |   |   |   |   |
| **Objective 1** |   |   |   |   |
|  |   |   |   |   |
| 332 01.0-01 | Maximum permissible concentration at the work place | A |   | 10.12.2020 |
| 332 01.0-02 | Maximum permissible concentration at the work place | B |   | 22.09.2022 |
| 332 01.0-03 | Measuring the concentration of gas | C |   | 22.09.2022 |
| 332 01.0-04 | Basic general knowledge | C |   | 06.06.2011 |
| 332 01.0-05 | Measuring the concentration of gas | A |   | 10.12.2020 |
| 332 01.0-06 | Measuring the concentration of gas | B |   | 10.12.2020 |
| 332 01.0-07 | Measuring the concentration of gas | A |   | 22.09.2022 |
| 332 01.0-08 |  |  | deleted (2021) | 10.12.2020 |
| 332 01.0-09 | Maximum permissible concentration at the work place | B |   | 10.12.2020 |
| 332 01.0-10 | Maximum permissible concentration at the work place | C |   | 22.09.2022 |
| 332 01.0-11 | Measuring the concentration of gas | A |   | 10.12.2020 |
| 332 01.0-12 | Measuring the concentration of gas | D |   | 22.09.2022 |
| 332 01.0-13 | Maximum permissible concentration at the work place | C |   | 13.03.2012 |
| 332 01.0-14 | Basic general knowledge | A |   | 06.06.2011 |
|   |   |   |   |   |
| **Objective 2** |   |   |   |   |
|   |   |   |   |   |
| 332 02.0-01 | 1.2.1 | A |   | 19.09.2018 |
| 332 02.0-02 | 3.2.3.2 Table C | B |   | 30.09.2014 |
| 332 02.0-03 | 7.2.4.22.4 | C |   | 22.09.2022 |
| 332 02.0-04 | 3.2.3.2 Table C | B |   | 28.09.2016 |
| 332 02.0-05 | 3.2.3.2 Table C | A |   | 22.09.2022 |
| 332 02.0-06 | 3.2.3.2 Table C, 7.2.4.16.8, 8.1.5 | B |   | 30.09.2014 |
| 332 02.0-07 | 1.2.1 | C |   | 22.09.2022 |
| 332 02.0-08 | 3.2.3.2, Table C  | A |   | 30.09.2014 |
| 332 02.0-09 | 7.2.4.22.3 | B |   | 10.12.2020 |
| 332 02.0-10 | 3.2.3.2 Table C | D |   | 30.09.2014 |
| 332 02.0-11 | 7.2.4.22.3 | C |   | 19.09.2018 |
| 332 02.0-12 | 1.2.1 | A |   | 22.09.2022 |
|   |   |   |   |   |
| **Objective 3** |   |   |   |   |
|   |   |   |   |   |
| 332 03.0-01 | 7.2.3.44 | A |   | 22.09.2022 |
| 332 03.0-02 | Cleaning the cargo tanks | B |   | 06.06.2011 |
| 332 03.0-03 | Cleaning the cargo tanks | C |   | 30.09.2014 |
| 332 03.0-04 | Cleaning the cargo tanks | A |   | 06.06.2011 |
| 332 03.0-05 | 7.2.3.44 | B |   | 19.09.2018 |
| 332 03.0-06 | Cleaning the cargo tanks | D |   | 30.09.2014 |
| 332 03.0-07 | Cleaning the cargo tanks | A | Modification only in German | 10.12.2020 |
| 332 03.0-08 |   |   | deleted | 06.06.2011 |
| 332 03.0-09 | Cleaning the cargo tanks | D |   | 22.09.2022 |
| 332 03.0-10 |   |   | deleted | 06.06.2011 |
| 332 03.0-11 | Cleaning the cargo tanks | C |   | 22.09.2022 |
| 332 03.0-12 | Cleaning the cargo tanks | D |   | 30.09.2014 |
| 332 03.0-13 | Cleaning the cargo tanks | C |   | 30.09.2014 |
| 332 03.0-14 | Cleaning the cargo tanks | A |   | 22.09.2022 |
| 332 03.0-15 | Cleaning the cargo tanks | B |   | 22.09.2022 |
| 332 03.0-16 | Cleaning the cargo tanks | A |   | 13.03.2012 |
| 332 03.0-17 |   |   | deleted  | 06.06.2011 |
| 332 03.0-18 | Cleaning the cargo tanks | A |   | 22.09.2022 |
| 332 03.0-19 | 7.2.3.1.4, 7.2.3.1.6 | D |   | 22.09.2022 |
| 332 03.0-20 | Cleaning the cargo tanks | B | Modification only in German | 10.12.2020 |
| 332 03.0-21 | Cleaning the cargo tanks | C |   | 06.06.2011 |
| 332 03.0-22 | 7.2.3.1.6 | C |   | 22.09.2022 |
| 332 03.0-23 | Cleaning the cargo tanks | B |   | 22.09.2022 |
| 332 03.0-24 | Cleaning the cargo tanks | A |   | 22.09.2022 |
| 332 03.0-25 | Cleaning the cargo tanks | A |   | 22.09.2022 |
| 332 03.0-26 | 7.2.3.1.6 | C |   | 22.09.2022 |
| 332 03.0-27 | Cleaning the cargo tanks | C |   | 22.09.2022 |
|   |   |   |   |   |
| **Objective 4** |   |   |   |   |
|   |   |   |   |   |
| 332 04.0-01 | 9.3.2.26.2 | A |   | 22.09.2022 |
| 332 04.0-02 | Working with the cargo residues (Slops) | B |   | 10.12.2020 |
| 332 04.0-03 | Working with the cargo residues (Slops) | D |   | 10.12.2020 |
| 332 04.0-04 | 9.3.2.26.2 | C |   | 19.09.2018 |
| 332 04.0-05 | 1.2.1 | D |   | 19.09.2018 |
| 332 04.0-06 | 7.2.4.1.1, 9.3.2.26.1 | C |   | 22.09.2022 |
| 332 04.0-07 |   |   | deleted (2012) | 13.03.2012 |
| 332 04.0-08 | Cargo residues | C |   | 10.12.2020 |
| 332 04.0-09 | 7.2.3.7.1.5, 7.2.3.7.2.5 | D |   | 22.09.2022 |
| 332 04.0-10 | 9.3.2.26.1 | B |   | 22.09.2022 |
|  |   |   |   |   |
| **Objective 5** |   |   |   |   |
|   |   |   |   |   |
| 332 05.0-01 | 7.2.3.7.1.1, 7.2.3.7.1.2 | A |   | 22.09.2022 |
| 332 05.0-02 | 7.2.3.7.1.2 | B |   | 19.09.2018 |
| 332 05.0-03 | 7.2.3.7.1.4 | C |   | 19.09.2018 |
| 332 05.0-04 | 7.2.3.7.1.2, 7.2.3.7.1.3 | D |   | 10.12.2020 |
| 332 05.0-05 | 7.2.3.7.1.2 | B |   | 19.09.2018 |
| 332 05.0-06 | 7.2.3.7.1.6, 7.2.3.7.2.6, 8.3.5 | D |   | 22.09.2022 |
| 332 05.0-07 | 7.2.3.7.1.1 | A |   | 19.09.2018 |
| 332 05.0-08 | 7.2.3.7.1.6, 7.2.3.7.2.6, 8.3.5 | C |   | 22.09.2022 |
| 332 05.0-09 |  |  | deleted (19.09.2018) | 19.09.2018 |
| 332 05.0-10 |  |  | deleted (19.09.2018) | 19.09.2018 |
| 332 05.0-11 | 8.1.2.1 (g), 7.2.3.7.1.5, 7.2.3.7.2.5 | C |   | 22.09.2022 |
| 332 05.0-12 | 7.2.3.7.1.5, 7.2.3.7.2.5 | B |   | 19.09.2018 |
|   |   |   |   |   |
| **Objective 6** |   |   |   |   |
|   |   |   |   |   |
| 332 06.0-01 | 9.3.2.21.1 | B |   | 22.09.2022 |
| 332 06.0-02 | 9.3.2.21.1 | C |   | 22.09.2022 |
| 332 06.0-03 | 9.3.2.21.1 | A |   | 22.09.2022 |
| 332 06.0-04 | 1.2.1 | D |   | 22.09.2022 |
| 332 06.0-05 | 7.2.4.16.12 | B |   | 22.09.2022 |
| 332 06.0-06 | 3.2.3.2 Table C | C |   | 22.09.2022 |
| 332 06.0-07 | 1,2 | A |   | 06.06.2011 |
| 332 06.0-08 | 9.3.2.25.2 | C |   | 06.06.2011 |
| 332 06.0-09 |   |   | deleted (2007) | 06.06.2011 |
| 332 06.0-10 | 3.2.3.2 Table C | B |   | 22.09.2022 |
| 332 06.0-11 | 3.2.3.2 Table C | C |   | 22.09.2022 |
| 332 06.0-12 | 3.2.3.2 Table C | D |   | 22.09.2022 |
| 332 06.0-13 | 3.2.3.2 Table C | B |   | 22.09.2022 |
| 332 06.0-14 | 9.3.2.21.5 | A |   | 06.06.2011 |
| 332 06.0-15 | Basic general knowledge | C |   | 06.06.2011 |
| 332 06.0-16 | 1.2.1 | B |   | 28.09.2016 |
| 332 06.0-17 | Cubic expansion coefficient | B |   | 30.09.2014 |
| 332 06.0-18 | Cubic expansion coefficient | B |   | 10.12.2020 |
| 332 06.0-19 |   |   | deleted (2011) | 06.06.2011 |
| 332 06.0-20 | 7.2.4.2.3, 7.2.4.2.4 | B |   | 22.09.2022 |
| 332 06.0-21 | 7.2.4.11.2 | C |   | 10.12.2020 |
| 332 06.0-22 | 7.2.4.21.3 | A |   | 30.09.2014 |
| 332 06.0-23 | 3.2.3.2 Table C | D |   | 22.09.2022 |
| 332 06.0-24 | 3.2.3.2 Table C | A |   | 22.09.2022 |
| 332 06.0-25 | 3.2.3.2 Table C | D |   | 22.09.2022 |
| 332 06.0-26 | 7.2.4.21.3 | A |   | 22.09.2022 |
| 332 06.0-27 | 7.2.4.21.3 | C |   | 22.09.2022 |
| 332 06.0-28 | 7.2.4.21.3 | C |   | 22.09.2022 |
| 332 06.0-29 | 1.4.3.3 m), 7.2.4.10 | A |   | 22.09.2022 |
| 332 06.0-30 |   |   | deleted (2011) | 06.06.2011 |
| 332 06.0-31 | 7.2.3.20.1, 9.3.2.11.5 | D |   | 13.03.2012 |
| 332 06.0-32 | 9.3.2.25.8 b) | D |   | 06.06.2011 |
| 332 06.0-33 | 3.2.3.2 Table C | B |   | 19.09.2018 |
| 332 06.0-34 | 3.2.3.2 Table C | D |   | 28.09.2016 |
| 332 06.0-35 | Inerting | C |   | 22.09.2022 |
|   |   |   |   |   |
| **Objective 7** |   |   |   |   |
|   |   |   |   |   |
| 332 07.0-01 | 3.2.3.2 Table C | A |   | 30.09.2014 |
| 332 07.0-02 | Temperature action | B |   | 06.06.2011 |
| 332 07.0-03 | Temperature action | C |   | 06.06.2011 |
| 332 07.0-04 | 3.2.3.2 Table C | D |   | 30.09.2014 |
| 332 07.0-05 | 3.2.3.2 Table C | D |   | 22.09.2022 |
| 332 07.0-06 | 3.2.3.2 Table C | C |   | 22.09.2022 |
| 332 07.0-07 | 3.2.3.2 Table C | C |   | 10.12.2020 |
| 332 07.0-08 | Temperature action | A |   | 10.12.2020 |
| 332 07.0-09 | 7.2.4.21.2 | A |   | 30.09.2014 |
| 332 07.0-10 | 3.2.3.2 Table C | B |   | 22.09.2022 |
| 332 07.0-11 | 3.2.3.2 Table C | C |   | 22.09.2022 |
| 332 07.0-12 | 3.2.3.2 Table C | A |   | 22.09.2022 |
|   |   |   |   |   |
| **Emergency measures** |   |   |   |   |
|   |   |   |   |   |
| **Objective 1** |   |   |   |   |
|   |   |   |   |  |
| 333 01.0-01 | First aid | A |   | 10.12.2020 |
| 333 01.0-02 | First aid | B |   | 06.06.2011 |
| 333 01.0-03 | First aid | D |   | 22.09.2022 |
| 333 01.0-04 | First aid | D |   | 22.09.2022 |
| 333 01.0-05 | First aid | A |   | 06.06.2011 |
| 333 01.0-06 | First aid | A |   | 06.06.2011 |
| 333 01.0-07 | First aid | B |   | 22.09.2022 |
|   |   |   |   |   |
| **Objective 2** |   |   |   |   |
|   |   |   |   |   |
| 333 02.0-01 | Measures in case of damage | A |   | 10.12.2020 |
| 333 02.0-02 | Measures in case of damage | C |   | 10.12.2020 |
| 333 02.0-03 | Measures in case of damage | D |   | 22.09.2022 |
| 333 02.0-04 | Measures in case of damage | A |   | 22.09.2022 |
| 333 02.0-05 | Measures in case of damage | C |   | 10.12.2020 |
| 333 02.0-06 | First aid, 7.2.3.1.6 | D |   | 22.09.2022 |
|   |   |   |   |   |
| **Objective 3** |   |   |   |   |
|  |   |   |   |   |
| 333 03.0-01 | Emergency measures in case of a leak | A |   | 06.06.2011 |
| 333 03.0-02 | Emergency measures in case of a leak | D |   | 22.09.2022 |
| 333 03.0-03 | Emergency measures in case of a leak | C |   | 10.12.2020 |
| 333 03.0-04 | Basic general knowledge | D |   | 06.06.2011 |
| 333 03.0-05 | Basic general knowledge | A |   | 10.12.2020 |
|  |   |   |   |   |
| **Objective 4** |   |   |   |   |
|   |   |   |   |   |
| 333 04.0-01 | Damage-control and alert plans | D |   | 06.06.2011 |
| 333 04.0-02 | Damage-control and alert plans | A |   | 06.06.2011 |
| 333 04.0-03 | Damage-control and alert plans | C |   | 06.06.2011 |
| 333 04.0-04 | Damage-control and alert plans | D |   | 10.12.2020 |
| 333 04.0-05 | Basic general knowledge, Damage-control and alert plans | C |   | 22.09.2022 |
| 333 04.0-06 | Damage-control and alert plans | B |   | 10.12.2020 |

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