

Summary document for the catalogue of questions "Chemicals"

Transmitted by the Central Commission for the Navigation of the Rhine

The informal working group on the catalogue of questions was mandated by the ADN Safety Committee to revise and adapt the catalogue of questions to the 2013 edition of ADN. At the end of this work, a catalogue of questions in three parts "General", "Gas" and "Chemicals" have been prepared.

In order to document these changes, the informal working group, whose title has been changed in the meantime to informal working group on the training of experts, provides in the annex to the present document a summary of the status of work on the catalogue of questions.

These summaries present the correct response to each question, the reference in the ADN (source) and the date that the question was deleted or added.

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
Objective 3				
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
Objective 1				
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		06.06.2011
331 02.0-04	Basic knowledge of physics	A		06.06.2011
331 02.0-05	Basic knowledge of physics	C		06.06.2011
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

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
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		06.06.2011
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		06.06.2011
332 02.0-22	Basic knowledge of physics	C		06.06.2011
331 02.0-23	Basic knowledge of physics	C		13.03.2012
Objective 3				
331 03.0-01	Basic knowledge of physics	C		06.06.2011
331 03.0-02	Basic knowledge of physics	B		06.06.2011
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		06.06.2011
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

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
331 03.0-11	Basic knowledge of chemistry	A		13.03.2012
Objective 4				
331 04.0-01	Basic knowledge of substances	B		06.06.2011
331 04.0-02	Basic knowledge of substances	B		06.06.2011
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		06.06.2011
Objective 5				
331 05.0-01	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
331 05.0-02	Basic knowledge of substances – $\rho = m/V$	C		13.03.2012
331 05.0-03	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-04	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
331 05.0-05	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011
331 05.0-06	Basic knowledge of substances – $\rho = m/V$	B		06.06.2011
331 05.0-07	Basic knowledge of substances – $\rho = m/V$	B		13.03.2012

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
331 05.0-08	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-09	Basic knowledge of substances – $\rho = m/V$	C		13.03.2012
331 05.0-10	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-11	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-12	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011
331 05.0-13	Basic knowledge of substances – $\rho = m/V$	A		06.06.2011
331 05.0-14	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011
331 05.0-15	Basic knowledge of substances – $\rho = m/V$	C		06.06.2011
331 05.0-16	Basic knowledge of substances – $\rho = m/V$	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 physics	D		06.06.2011
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		06.06.2011
331 06.0-07	Basic knowledge of chemistry	D		06.06.2011
331 06.0-08	Basic knowledge of chemistry	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
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		13.03.2012
331 07.0-08	Basic knowledge of chemistry	A		06.06.2011
331 07.0-09	Basic knowledge of chemistry	B		06/06/2011
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		06.06.2011
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		06.06.2011
331 08.0-07	Basic knowledge	D		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
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	Knowledge of chemical products	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		06.06.2011
331 09.0-02	Basic knowledge of chemistry	C		06.06.2011
331 09.0-03	Basic knowledge of chemistry	A		06.06.2011
331 09.0-04	Basic knowledge of chemistry	D		06.06.2011
331 09.0-05	Basic knowledge of chemistry	C		06.06.2011
331 09.0-06	Basic knowledge of chemistry	B		13.03.2012
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		13.03.2012
331 09.0-11	Basic knowledge of chemistry	A		06.06.2011
331 09.0-12	Basic knowledge of chemistry	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
331 09.0-13	Basic knowledge of chemistry	B		06.06.2011
331 09.0-14	Basic knowledge of chemistry	D		06.06.2011
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		06.06.2011
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		06/06/2011
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

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
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		06.06.2011
331 11.0-13	Basic knowledge of chemistry	D		06.06.2011
331 11.0-14	Basic knowledge of chemistry	B		06.06.2011
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		06.06.2011
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		13.03.2012
331 12.0-03	Basic knowledge of chemistry	B		06.06.2011
331 12.0-04	Basic knowledge of chemistry	A		06.06.2011
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		06.06.2011
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

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
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		06.06.2011
331 12.0-16	Basic knowledge of chemistry	D		06.06.2011
Praxis				
Objective 1				
332 01.0-01	Maximum permissible level at the work place	A		06.06.2011
332 01.0-02	Maximum permissible level at the work place	B		06.06.2011
332 01.0-03	Measuring the gas concentration	C		06.06.2011
332 01.0-04	Basic general knowledge	C		06.06.2011
332 01.0-05	Measuring the gas concentration	A		13.03.2012
332 01.0-06	Measuring the gas concentration	B		06.06.2011
332 01.0-07	Measuring the gas concentration	A		06.06.2011
332 01.0-08	Maximum permissible level at the work place	C		06.06.2011
332 01.0-09	Maximum permissible level at the work place	B		06.06.2011
332 01.0-10	Maximum permissible level at the work place	C		13.03.2012
332 01.0-11	Measuring the gas concentration	A		06.06.2011
332 01.0-12	Measuring the gas concentration	D		06.06.2011
332 01.0-13	Maximum permissible level 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		06.06.2011
332 02.0-02	3.2, Table C	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
332 02.0-03	7.2.4.22.4	C		06.06.2011
332 02.0-04	3.2, Table C	D		06.06.2011
332 02.0-05	3.2, Table C	A		06.06.2011
332 02.0-06	3.2, Table C, 7.2.4.16.8, 8.1.5	B		06.06.2011
332 02.0-07	1.2.1	C		06.06.2011
332 02.0-08	3.2, Table C	A		06.06.2011
332 02.0-09	7.2.4.22.3	B		06.06.2011
332 02.0-10	3.2, Table C	D		13.03.2012
332 02.0-11	7.2.4.22.3	C		06.06.2011
332 02.0-12	1.2.1	A		06.06.2011
Objective 3				
332 03.0-01	7.2.3.44	A		06.06.2011
332 03.0-02	Cleaning of cargo tanks	B		06.06.2011
332 03.0-03	Cleaning of cargo tanks	C		06.06.2011
332 03.0-04	Cleaning of cargo tanks	A		06.06.2011
332 03.0-05	7.2.3.44	B		06.06.2011
332 03.0-06	Cleaning of cargo tanks	D		06/06/2011
332 03.0-07	Cleaning of cargo tanks	A		06.06.2011
332 03.0-08	deleted			06.06.2011
332 03.0-09	Cleaning of cargo tanks	D		13.03.2012
332 03.0-10			deleted	06.06.2011
332 03.0-11	Cleaning of cargo tanks	C		06.06.2011
332 03.0-12	Cleaning of cargo tanks	D		13.03.2012
332 03.0-13	Cleaning of cargo tanks	C		06/06/2011
332 03.0-14	Cleaning of cargo tanks	A		06.06.2011
332 03.0-15	Cleaning of cargo tanks	B		06.06.2011
332 03.0-16	Cleaning of cargo tanks	A		13.03.2012
332 03.0-17			deleted	06.06.2011
332 03.0-18	Cleaning of cargo tanks	A		06.06.2011
332 03.0-19	7.2.3.1.5	A		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
332 03.0-20	Cleaning of cargo tanks	B		06.06.2011
332 03.0-21	Cleaning of cargo tanks	C		06.06.2011
332 03.0-22	7.2.3.1.6	C		06.06.2011
332 03.0-23	Cleaning of cargo tanks	B		06.06.2011
332 03.0-24	Cleaning of cargo tanks	A		06.06.2011
332 03.0-25	Cleaning of cargo tanks	A		06.06.2011
332 03.0-26	Cleaning of cargo tanks	C		06/06/2011
332 03.0-27	Cleaning of cargo tanks	C		06.06.2011
Objective 4				
332 04.0-01	9.3.2.22.4, 9.3.2.26.4	A		06.06.2011
332 04.0-02	Working with cargo residues (slops)	B		06.06.2011
332 04.0-03	Working with cargo residues (slops)	D		06.06.2011
332 04.0-04	9.3.2.26.3	C		06.06.2011
332 04.0-05	9.3.2.26.2	D		06.06.2011
332 04.0-06	7.2.4.1.1, 9.3.2.26.1	C		06.06.2011
332 04.0-07			deleted (2012)	13.03.2012
332 04.0-08	Residual cargo	C		06.06.2011
332 04.0-09	7.2.3.7.5	D		06/06/2011
332 04.0-10	9.3.2.26.1	B		06.06.2011
Objective 5				
332 05.0-01	7.2.3.7.1	A		06.06.2011
332 05.0-02	7.2.3.7.3	B		13.03.2012
332 05.0-03	7.2.3.7.4	C		06.06.2011
332 05.0-04	7.2.3.7.2	D		06.06.2011
332 05.0-05	7.2.3.7.3	B		13.03.2012
332 05.0-06	8.3.5	D		13.03.2012
332 05.0-07	7.2.3.7.1	A		06.06.2011
332 05.0-08	8.3.5	C		06/06/2011
332 05.0-09	7.2.3.7.3	A		06.06.2011
332 05.0-10	7.2.3.7.2	C		06.06.2011
332 05.0-11	8.1.2.1 g)	C		06/06/2011
332 05.0-12	7.2.3.7.5	B		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
Objective 6				
332 06.0-01	9.3.2.21.1	B		06.06.2011
332 06.0-02	9.3.2.21.1	C		06.06.2011
332 06.0-03	9.3.2.21.1	A		06.06.2011
332 06.0-04	1.2.1	D		06.06.2011
332 06.0-05	7.2.4.16.12	B		06.06.2011
332 06.0-06	3.2, Table C	C		13.03.2012
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, Table C	B		06.06.2011
332 06.0-11	3.2, Table C	C		06.06.2011
332 06.0-12	3.2, Table C	D		06.06.2011
332 06.0-13	3.2, Table C	B		06.06.2011
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		06.06.2011
332 06.0-17	Cubic expansion coefficient	B		13.03.2012
332 06.0-18	Cubic expansion coefficient	B		13.03.2012
332 06.0-19			deleted (2011)	06.06.2011
332 06.0-20	7.2.4.24	B		
332 06.0-21	7.2.4.24	C		
332 06.0-22	1.2.1	A		
332 06.0-23	3.2, Table C	D		06.06.2011
332 06.0-24	3.2, Table C	A		06.06.2011
332 06.0-25	3.2, Table C	D		06.06.2011
332 06.0-26	7.2.4.21.3	A		06.06.2011
332 06.0-27	7.2.4.21.3	C		06.06.2011
332 06.0-28	7.2.4.21.3	C		06.06.2011
332 06.0-29	1.4.3.3 m), 7.2.4.10	A		06.06.2011
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, Table C	B		06.06.2011
332 06.0-34	3.2, Table C	D		06.06.2011
332 06.0-35	Inerting	C		06.06.2011
Objective 7				
332 07.0-01	3.2, Table C	A		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
332 07.0-02	Influence of temperature	B		06.06.2011
332 07.0-03	Influence of temperature	C		06.06.2011
332 07.0-04	3.2, Table C	D		06.06.2011
332 07.0-05	3.2, Table C	D		06.06.2011
332 07.0-06	3.2, Table C	C		06.06.2011
332 07.0-07	3.2, Table C	C		06.06.2011
332 07.0-08	Influence of temperature	A		06.06.2011
332 07.0-09	7.2.4.21.2	A		06.06.2011
332 07.0-10	3.2, Table C	B		
332 07.0-11	3.2, Table C	C		
332 07.0-12	3.2, Table C	A		
Emergency measures				
Objective 1				
333 01.0-01	First aid	A		06.06.2011
333 01.0-02	First aid	B		06.06.2011
333 01.0-03	First aid	D		06.06.2011
333 01.0-04	First aid	D		06.06.2011
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		06.06.2011
Objective 2				
333 02.0-01	Measures in the case of damage	A		06.06.2011
333 02.0-02	Measures in the case of damage	C		06.06.2011
333 02.0-03	Measures in the case of damage	D		06.06.2011
333 02.0-04	Measures in the case of damage	A		06.06.2011
333 02.0-05	Measures in the case of damage	C		06.06.2011
333 02.0-06	First aid	D		13.03.2012

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
Objective 3				
333 03.0-01	Emergency measures in the case of a leak	A		06.06.2011
333 03.0-02	Emergency measures in the case of a leak	D		06.06.2011
333 03.0-03	Emergency measures in the case of a leak	C		06.06.2011
333 03.0-04	Basic general knowledge	D		06.06.2011
333 03.0-05	Basic general knowledge	A		06.06.2011
				06.06.2011
Objective 4				06.06.2011
				06.06.2011
333 04.0-01	Safety and alert plans	D		06.06.2011
333 04.0-02	Safety and alert plans	A		06.06.2011
333 04.0-03	Safety and alert plans	C		06.06.2011
333 04.0-04	Safety and alert plans	D		06.06.2011
333 04.0-05	Safety and alert plans	C		06.06.2011
333 04.0-06	Safety and alert plans	B		06.06.2011
