Economic Commission for Europe

Inland Transport Committee

English

10 January 2017

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)

Thirtieth session
Geneva, 23–27 January 2017
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 "Gas"

Transmitted by the Central Commission for the Navigation of the Rhine

1. The informal working group on the training of experts was mandated by the ADN Safety Committee to revise and adapt the catalogue of questions to the 2017 edition of ADN. At the end of this work, a catalogue of questions in three parts "General", "Gas" and "Chemicals" has been prepared, which can be found respectively in documents ECE/TRANS/WP.15/AC.2/2017/1, ECE/TRANS/WP.15/AC.2/2017/2 and ECE/TRANS/WP.15/AC.2/2017/3

2. In order to document these changes, the informal working group provides in the annex to the present document a summary of the status of work on the catalogue of questions.

3. 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.

4. The informal working group on the training of experts

(a) Invites the ADN Safety Committee to take note of the summaries concerning the status of work on the catalogue of questions and

(b) Recommends that they be published on the websites of the UNECE and CCNR.

Number	Source	Response	Remarks	Dealt with on
Knowledge of physics and chemistry				
Objective 1.1				
231 01.1-01	Boyle-Mariotte law: *pV*=constant	C		28.09.2016
231 01.1-02	Boyle-Mariotte law: *pV*=constant	C		28.09.2016
231 01.1-03	Boyle-Mariotte law: *pV*=constant	B		28.09.2016
231 01.1-04	Boyle-Mariotte law: *pV*=constant	A		28.09.2016
231 01.1-05	Boyle-Mariotte law: *pV*=constant	B		28.09.2016
231 01.1-06	Gay-Lussac law: p/T=constant	C		28.09.2016
231 01.1-07	Gay-Lussac law: p/T=constant	D		28.09.2016
231 01.1-08	Gay-Lussac law: p/T=constant	B		28.09.2016
231 01.1-09	Gay-Lussac law: p/T=constant	C		28.09.2016
231 01.1-10	Gay-Lussac law: p/T=constant	B		28.09.2016
Objective 1.2				
231 01.2-01	Fundamental law of gases: *pV/T*=constant	A		28.09.2016
231 01.2-02	Fundamental law of gases: *pV/T*=constant	B		28.09.2016
231 01.2-03	Fundamental law of gases: *pV/T*=constant	D		28.09.2016
231 01.2-04	Fundamental law of gases: *pV/T*=constant	C		28.09.2016
231 01.2-05	Fundamental law of gases: *pV/T*=constant	D		28.09.2016
231 01.2-06	Fundamental law of gases: *pV/T*=constant	B		28.09.2016
231 01.2-07	Fundamental law of gases: *pV/T*=constant	A		28.09.2016
231 01.2-08	Fundamental law of gases: *pV/T*=constant	B		28.09.2016
231 01.2-09	Fundamental law of gases: *pV/T*=constant	A		28.09.2016
231 01.2-10	Fundamental law of gases: *pV/T*=constant	C		28.09.2016

Number	Source	Response	Remarks	Dealt with on
Objective 2.1				
231 02.1-01	Partial pressure – definitions	B		28.09.2016
231 02.1-02	Partial pressure – definitions	C		28.09.2016
231 02.1-03	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$	D		28.09.2016
231 02.1-04	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$	C		28.09.2016
231 02.1-05	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$	B		28.09.2016
231 02.1-06			deleted	06.06.2011
231 02-1-07	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$	B		28.09.2016
231 02.1-08	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$	C		28.09.2016
231 02.1-09	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$	D		28.09.2016
Objective 2.2				
231 02.2-01	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	B		28.09.2016
231 02.2-02	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	D		28.09.2016
231 02.2-03	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	B		28.09.2016
231 02.2-04	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	D		28.09.2016
231 02.2-05	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	A		28.09.2016
231 02.2-06	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	C		28.09.2016
231 02.2-07	$p_{tot} = \sum p_i$ *and Vol.-%* $= p_i \times 100 / p_{tot}$ *and* $p * V$ *= constant*	C		28.09.2016
231 02.2-08	Characteristics of substances	D		28.09.2016
Objective 3.1				

Number	Source	Response	Remarks	Dealt with on
231 03.1-01	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	B		28.09.2016
231 03.1-02	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	A		28.09.2016
231 03.1-03	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	B		28.09.2016
231 03.1-04	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	A		28.09.2016
231 03.1-05	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	B		28.09.2016
231 03.1-06	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	C		28.09.2016
231 03.1-07	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	B		28.09.2016
231 03.1-08	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	D		28.09.2016
231 03.1-09	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	C		28.09.2016
231 03.1-10	1 kmol ideal gas = 24 m^3 at 100 kPa and 25 °C, quantity of substance = M *mass [kg]	C		28.09.2016
Objective 3.2				
231 03.2-01	$m = 0,12 * p * M * V / T$	B		28.09.2016
231 03.2-02	$m = 0,12 * p * M * V / T$	A		28.09.2016
231 03.2-03	$m = 0,12 * p * M * V / T$	B		28.09.2016
231 03.2-04	$m = 0,12 * p * M * V / T$	C		28.09.2016
231 03.2-05	$m = 0,12 * p * M * V / T$	A		28.09.2016
231 03.2-06	$m = 0,12 * p * M * V / T$ or $p = m * T / (0,12 * M * V)$	D		28.09.2016
231 03.2-07	$m = 0,12 * p * M * V / T$ or $p = m * T / (0,12 * M * V)$	D		28.09.2016
231 03.2-08	$m = 0,12 * p * M * V / T$ or $p = m * T / (0,12 * M * V)$	C		28.09.2016
231 03.2-09	$m = 0,12 * p * M * V / T$ or $p = m * T / (0,12 * M * V)$	D		28.09.2016
231 03.2-10	$m = 0,12 * p * M * V / T$	D		28.09.2016

Number	Source	Response	Remarks	Dealt with on
	or $p = m * T / (0,12 * M * V)$			
Objective 4.1				
231 04.1-01	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	C		06.06.2011
231 04.1-02	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	B		06.06.2011
231 04.1-03	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	C		06.06.2011
231 04.1-04	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	B		06.06.2011
231 04.1-05	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	B		06.06.2011
231 04.1-06	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	C		06.06.2011
231 04.1-07	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	C		06.06.2011
231 04.1-08	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	B		06.06.2011
231 04.1-09	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	C		06.06.2011
231 04.1-10	$m = \rho_{t1} * V_{t1} = \rho_{t2} * V_{t2}$ (with tables)	B		06.06.2011
Objective 4.2				
231 04.2-01			deleted (2011)	06.06.2011
231 04.2-02			deleted (2011)	06.06.2011
231 04.2-03			deleted (2011)	06.06.2011
231 04.2-04			deleted (2011)	06.06.2011
231 04.2-05			deleted (2011)	06.06.2011
231 04.2-06			deleted (2011)	06.06.2011
231 04.2-07			deleted (2011)	06.06.2011
231 04.2-08			deleted (2011)	06.06.2011
231 04.2-10			deleted (2011)	06.06.2011
231 04.2-09			deleted (2011)	06.06.2011
Objective 5				
231 05.0-01	Critical pressure and temperature	A		28.09.2016
231 05.0-02	Critical pressure and temperature	C		28.09.2016
231 05.0-03	Critical pressure and temperature	B		28.09.2016

Number	Source	Response	Remarks	Dealt with on
231 05.0-04	Critical pressure and temperature	A		28.09.2016
Objective 6.1				
231 06.1-01	Polymerization	C		06.06.2011
231 06.1-02	Polymerization	A		30.09.2014
231 06.1-03	Polymerization	B		06.06.2011
231 06.1-04	Polymerization	B		30.09.2014
231 06.1-05	Polymerization	D		30.09.2014
Objective 6.2				
231 06.2-01	3.2.3.2, Table C	C		30.09.2014
231 06.2-02	Polymerization	C		30.09.2014
231 06.2-03	Polymerization	D		28.09.2016
231 06.2-04	Polymerization	A		06.06.2011
231 06.2-05	3.2.3.2, Table C	A		30.09.2014
231 06.2-06	3.2.3.2, Table C	D		28.09.2016
231 06.2-07	Polymerization	B		30.09.2014
231 06.2-08			deleted (2007)	06.06.2011
231 06.2-09	Polymerization	C		06.06.2011
Objective 7.1				
231 07.1-01	Vapour pressure	A		06.06.2011
231 07.1-02	Vapour pressure	B		30.09.2014
231 07.1-03	Vapour pressure	C		30.09.2014
231 07.1-04	Vapour pressure	D		06.06.2011
231 07.1-05	Vapour pressure	A		06.06.2011
231 07.1-06	Vapour pressure	B		06.06.2011
231 07.1-07	Vapour pressure	C		06.06.2011
231 07.1-08	Vapour pressure	D		06.06.2011
231 07.1-09	Vapour pressure	A		06.06.2011
231 07.1-10	Vapour pressure	B		28.09.2016
231 07.1-11	Influence on the cargo of an increase in temperature	B		28.09.2016
231 07.1-12	Change in cargo temperature, general knowledge	B		28.09.2016
231 07.1-13	Characteristics of substances, 1.2.1	A		30.09.2014
231 07.1-14	Characteristics of substances	B		30.09.2014
Objective				

Number	Source	Response	Remarks	Dealt with on
7.2				
231 07.2-01			deleted (2007)	06.06.2011
231 07.2-02			deleted (2007)	06.06.2011
231 07.2-03	Increase in temperature in the cargo tank	C		28.09.2016
231 07.2-04	Pressure in the cargo tank	D		28.09.2016
231 07.2-05	Behaviour of pressure in the cargo tank	C		28.09.2016
231 07.2-06	Behaviour of pressure in the cargo tank	D		28.09.2016
231 07.2-07			deleted (2007)	06.06.2011
231 07.2-08	Vapour saturation pressure	B		28.09.2016
231 07.2-09	Liquefying of gas	A		28.09.2016
Objective 8.1				
231 08.1-01	Saturation vapour pressure, depending on composition	B		06.06.2011
231 08.1-02	Saturation vapour pressure, depending on composition	C		06.06.2011
231 08.1-03	Saturation vapour pressure, depending on composition	A		06.06.2011
231 08.1-06			deleted (2007)	06.06.2011
231 08.1-04			deleted (2007)	06.06.2011
231 08.1-05			deleted (2007)	06.06.2011
Objective 8.2				
231 08.2-01	Health risks	C		06.06.2011
231 08.2-02	Health risks	B		06.06.2011
231 08.2-03	Health risks	B		06.06.2011
231 08.2-04	Health risks	C		06.06.2011
231 08.2-05	Health risks	A		13.09.2012
231 08.2-06	Hazard characteristics	C		13.09.2012
231 08.2-07	Hazard characteristics	C		30.09.2014
231 08.2-08	Hazard characteristics	C		30.09.2014
231 08.2-09	Characteristics of substances	D		30.09.2014
231 08.2-10	Characteristics of substances	C		30.09.2014
231 08.2-11	Characteristics of substances	A		28.09.2016
Objective 9				
231 09.0-01	Polymerization	A		06.06.2011

Number	Source	Response	Remarks	Dealt with on
231 09.0-02	Molecular mass	D		30.09.2014
231 09.0-03	Molecular mass	C		30.09.2014
231 09.0-04	Molecular mass	B		30.09.2014
231 09.0-05	Molecular mass	A		30.09.2014
231 09.0-06			deleted (2007)	06.06.2011
231 09.0-07			deleted (2007)	06.06.2011
231 09.0-08	Molecular mass	A		30.09.2014
Practice				
Objective 1.1				
232 01.1-01	Flushing in the event of a change of cargo	C		28.09.2016
232 01.1-02	Flushing in the event of a change of cargo	C		28.09.2016
232 01.1-03	Flushing in the event of a change of cargo	A		28.09.2016
232 01.1-04	Flushing in the event of a change of cargo	A		28.09.2016
232 01.1-05	Flushing in the event of a change of cargo	D		28.09.2016
232 01.0-06	9.3.1.21.12	C		28.09.2016
Objective 1.2				
232 01.2-01	Addition of air to the cargo	D		06.06.2011
232 01.2-02	Addition of air to the cargo	C		28.09.2016
232 01.2-03	Addition of air to the cargo	B		06.06.2011
232 01.2-04	Addition of air to the cargo	B		28.09.2016
232 01.2-05	Addition of air to the cargo	C		28.09.2016
Objective 1.3				
232 01.3-01	Methods for flushing (degassing)	D		28.09.2016
232 01.3-02	Methods for flushing (degassing)	D		28.09.2016
232 01.3-03	Methods for flushing (degassing)	C		06.06.2011
232 01.3-04	Methods for flushing (degassing)	A		06.06.2011

Number	Source	Response	Remarks	Dealt with on
232 01.3-05	Flushing (degassing) at the same time as repairs	B		06.06.2011
232 01.3-06	Flushing (degassing) in connection with repair work	C		06.06.2011
232 01.3-07	Flushing (degassing) in connection with entry into the cargo tanks	B		06.06.2011
232 01.3-08	Longitudinal flushing	C		06.06.2011
232 01.3-09			deleted (2007)	06.06.2011
Objective 2				
232 02.0-01			deleted (2010)	06.06.2011
232 02.0-02			deleted (2010)	06.06.2011
232 02.0-03	Flushing/rinsing of test tubes	D		06.06.2011
232 02.0-04	Flushing/rinsing of test tubes	A		06.06.2011
232 02.0-05	Sampling during longitudinal flushing	C		06.06.2011
232 02.0-06			deleted (2007)	06.06.2011
232 02.0-07	7.2.4.1.1 Storage of samples in test tubes	A		30.09.2014
232 02.0-08	Flushing of the cargo tanks	C		06.06.2011
232 02.0-09			deleted (2007)	06.06.2011
232 02.0-10	Taking of samples	B		06.06.2011
Objective 3				
232 03.0-01	Definition of explosive limit	A		06.06.2011
232 03.0-02	Definition of explosive limit	C		28.09.2016
232 03.0-03	Definition of explosive limit	D		06.06.2011
232 03.0-04	Definition of explosive limit	D		28.09.2016
232 03.0-05	Definition of explosive limit	A		06.06.2011
232 03.0-06	Critical dilution rate	B		30.09.2014
232 03.0-07	Critical dilution rate	C		30.09.2014
232 03.0-08	Risk of explosion	B		06.06.2011
232 03.0-09	Explosive limit and static electricity	D		06.06.2011
Objective 4				
232 04.0-01	Imminent hazards	A		06.06.2011
232 04.0-02	Delayed effect	B		06.06.2011
232 04.0-03	Anaesthetizing effect	D		06.06.2011
232 04.0-04	Definition of the maximum workplace concentration	C		06.06.2011
232 04.0-05	Definition of the maximum workplace concentration	C		06.06.2011

Number	Source	Response	Remarks	Dealt with on
232 04.0-06	Exceeding the maximum workplace concentration	B		06.06.2011
232 04.0-07	Maximum workplace concentration – odour threshold	A		06.06.2011
232 04.0-08			deleted (2007)	06.06.2011
232 04.0-09	Asphyxiation	C		06.06.2011
Objective 5.1				
232 05.1-01	Measuring gas concentration	D		06.06.2011
232 05.1-02	Measuring gas concentration	A		06.06.2011
232 05.1-03	Measuring gas concentration	B		06.06.2011
232 05.1-04	Measuring gas concentration	C		06.06.2011
232 05.1-05	Measuring gas concentration	D		13.09.2012
232 05.1-06	Measuring gas concentration	A		06.06.2011
232 05.1-07	Measuring gas concentration	B		28.09.2016
232 05.1-08	Measuring gas concentration	C		28.09.2016
232 05.1-09	Measuring gas concentration	B		28.09.2016
232 05.1-10	Measuring gas concentration	D		13.09.2012
Objective 5.2				
232 05.2-01	Measuring gas concentration	A		28.09.2016
232 05.2-02	Measuring gas concentration	D		06.06.2011
232 05.2-03	Measuring gas concentration	A		06.06.2011
232 05.2-04	Measuring gas concentration	D		06.06.2011
232 05.2-05	Measuring gas concentration	A		06.06.2011
232 05.2-06	Measuring gas concentration	D		13.09.2012
232 05.2-07	Measuring gas concentration	A		06.06.2011
232 05.2-08	Measuring gas concentration	A		30.09.2014
232 05.2-09	Measuring gas concentration	B		06.06.2011
232 05.2-10			deleted (2007)	06.06.2011
Objective 6				
232 06.0-01	Measuring gas concentration	B		06.06.2011
232 06.0-02	Measuring gas concentration	A		13.09.2012
232 06.0-03			deleted (2007)	06.06.2011
232 06.0-04	Measuring gas concentration	C		30.09.2014
232 06.0-05	Measuring gas concentration	A		30.09.2014
232 06.0-06	7.2.3.1.6	D		13.09.2012
232 06.0-07	Measuring gas concentration	D		28.09.2016
232 06.0-08	7.2.3.1.6	C		06.06.2011
232 06.0-09	Measuring gas concentration	C		13.09.2012

Number	Source	Response	Remarks	Dealt with on
232 06.0-10	Loading and unloading, 3.2.3, Table C	D	deleted (2016)	28.09.2016
Objective 7				
232 07.0-01	Measuring gas concentration	B		30.09.2014
232 07.0-02	Measuring gas concentration	B		13.09.2012
232 07.0-03	8.3.5	C		28.09.2016
232 07.0-04	8.3.5	A		13.09.2012
232 07.0-05	8.3.5	D		13.09.2012
232 07.0-06	8.3.5	A		13.09.2012
232 07.0-07	7.2.3.1.5	A		13.09.2012
232 07.0-08	8.3.5	A		13.09.2012
232 07.0-09	8.3.5	C		13.09.2012
232 07.0-10	8.3.5	D		13.09.2012
Objective 8				
232 08.0-01	1.2.1	C		06.06.2011
232 08.0-02	Degree of filling	D		06.06.2011
232 08.0-03	Degree of filling	C		06.06.2011
232 08.0-04	Degree of filling	A		06.06.2011
232 08.0-05	Degree of filling	B		06.06.2011
232 08.0-06	Degree of filling	A		30.09.2014
232 08.0-07	Overfilling	C		06.06.2011
232 08.0-08	9.3.1.21.1	D		28.09.2016
232 08.0-09	9.3.1.21.1	A		06.06.2011
232 08.0-10	Degree of filling	B		06.06.2011
232 08.0-11	7.2.4.16.16	B		28.09.2016
232 08.0-12	7.2.4.16.17	A		28.09.2016
232 08.0-13	7.2.4.16.17	C		28.09.2016
Objective 9				
232 09.0-01	Safety against bursts in the piping	A		13.09.2012
232 09.0-02	Safety against bursts in the piping	C		06.06.2011
232 09.0-03	Safety against bursts in the piping	D		06.06.2011
232 09.0-04	Safety against bursts in the piping	B		06.06.2011
232 09.0-05	Safety against bursts in the piping	A		06.06.2011
232 09.0-06	9.3.1.21.9	A		06.06.2011
232 09.0-07	7.2.2.21	B		06.06.2011
232 09.0-08	7.2.2.21	C		13.09.2012

Number	Source	Response	Remarks	Dealt with on
232 09.0-09	Rapid closing system	D		13.09.2012
232 09.0-10	Rapid closing system	A		13.09.2012
232 09.0-11	9.3.1.21.11	D		28.09.2016
232 09.0-12	Treatment of the cargo, 9.3.1.24.1 (b)	B		30.09.2014
Objective 10				
232 10.0-01	Unloading of the cargo	C		06.06.2011
232 10.0-02	Unloading of the cargo	D		06.06.2011
232 10.0-03	Unloading of the cargo	A		06.06.2011
232 10.0-04	Deck pumps	B		06.06.2011
232 10.0-05	Compressors	C		06.06.2011
232 10.0-06	Compressors	D		06.06.2011
232 10.0-07	Deck pumps	A		06.06.2011
232 10.0-08	Compressors	C		06.06.2011
232 10.0-09	Compressors	B		06.06.2011
Emergency measures				
Objective 1.1				
233 01.1-01	Liquefied gas on skin	B		06.06.2011
233 01.1-02	Liquefied gas on skin	A		06.06.2011
233 01.1-03	Liquefied gas on skin	C		06.06.2011
233 01.1-04	Liquefied gas on skin	D		06.06.2011
Objective 1.2				
233 01.2-01	Breathing in gas	C		06.06.2011
233 01.2-02	Breathing in gas	D		06.06.2011
233 01.2-03	Breathing in gas	A		06.06.2011
233 01.2-04	Breathing in gas	B		06.06.2011
233 01.2-05	Breathing in gas	B		06.06.2011
Objective 1.3				
233 01.3-01	Emergency assistance, general	A		06.06.2011
233 01.3-02	Emergency assistance, general	C		06.06.2011
233 01.3-03	Emergency assistance, general	C		06.06.2011
233 01.3-04	Emergency assistance, general	D		06.06.2011

Number	Source	Response	Remarks	Dealt with on
Objective 2.1				
233 02.1-01	Leak in a connection	A		06.06.2011
233 02.1-02	Leak in a connection	B		06.06.2011
233 02.1-03	Leak in a connection	C		06.06.2011
Objective 2.2				
233 02.2-01	Fire in the engine room	C		30.09.2014
233 02.2-02	Fire in the engine room	A		06.06.2011
233 02.2-03	Fire in the engine room	C		30.09.2014
Objective 2.3				
233 02.3-01	Hazards in the vicinity of the vessel	B		06.06.2011
233 02.3-02	Hazards in the vicinity of the vessel	A		30.09.2014
233 02.3-03	Hazards in the vicinity of the vessel	B		30.09.2014
233 02.3-04	Safety requirements, 7.2.4.16.17	A		30.09.2014
Objective 2.4				
233 02.4-01	Over-filling	A		06.06.2011
233 02.4-02	Over-filling	A		06.06.2011
233 02.4-03	Over-filling	D		06.06.2011
Objective 2.5				
233 02.5-01	Polymerization	C		06.06.2011
233 02.5-02	Polymerization	B		06.06.2011
233 02.5-03	Polymerization	D		06.06.2011