

Basic and Advanced Training for Tanker Cargo Operations

Introduction

The MCA and MNTB have carried out a gap analysis of the requirements of the MNTB Training of Masters and Ratings on Tankers, developed under STCW 1978 Convention and Code as amended 1995 (**STCW 95**), compared with the tanker training requirements under STCW 1978 Convention and Code as amended 2010 (**STCW 2010**). The results of this analysis and the actions need to be taken by Training Centres is given in this Note.

Terms /abbreviations used in this Note

CoC -	Certificate of Competence
CoP -	Certificate of Proficiency
CoT -	Certificate of Training
Currently approved course	A course that has been approved or re-approved by the MCA in the last 5 years
KUP -	Knowledge Understanding and Proficiency
MNTB -	Merchant Navy Training Board
STCW 95 -	STCW 1978 Convention and Code as amended 1995
STCW 2010 -	STCW 1978 Convention and Code as amended 2010

Fire Fighting

Under STCW 95 there was a requirement to carryout fire fighting in addition to the STCW 95 Fire Prevention and Fighting course, however, no detail of what this additional training should consist of was given. The UK utilised the STCW 95 Advanced Fire Fighting course which, although a condition that was met by all officers as it is part of their CoC training, resulted in ratings having to complete an additional four days of fire fighting training. The STCW 2010 amendments give specific fire fighting requirements under both Table A-V/1-1-1 "Specification for basic training for oil and chemical tanker cargo operations" and Table A-V/1-2-1 "Specification for basic training for oil and chemical tanker cargo operations". The practical fire fighting training requirements under both these competency tables has been combined and developed into a single training course the details of which can be found in the Tanker Fire Fighting Section of the MNTB Guide on Fire Course Criteria (available for purchase at www.mntb.org.uk). This training can be delivered as a standalone course of 5 hours or an additional 3 hours if combined with either STCW Fire Prevention and Fire Fighting or STCW Advanced Fire Fighting. It is not expected that all Training Centres providing Tanker Cargo Operation training courses will deliver the practical fire fighting competence of the programme.

STCW 2010 Basic Training for Tanker Cargo Operations.

Annex 1 shows the KUP required by the STCW 2010 for basic tanker cargo operations that were not identified as being included in the MNTB Tanker Familiarisation (STCW 95 Section A-V/1 paragraphs 2 to 7) course.

The MCA is content that any Training Centre with current approval to deliver Tanker Familiarisation Training may, on confirming that their teaching programme includes the KUP listed in Annex 1, be considered as approved to deliver a combined basic training for oil, chemical and liquefied gas tanker cargo operations (excluding the practical fire fighting requirement) as required in STCW 2010 Tables A-V/1-1-1 and A-V/1-2-1.

As with Tanker Familiarisation there are no sea service requirements to undertake Basic training in tanker cargo operations.

Under STCW 95 it was permitted to complete 3 months sea service on a tanker of any type in lieu of the Tanker Familiarisation course. There is a similar arrangement under STCW 2010, however, the sea service has to be completed on the type of tanker to which certification is sought. In addition to this a candidate has to demonstrate that they meet the applicable competency table requirements. Any Training Centre (a shipping company may be considered to be a Training Centre) who wishes to establish an assessment process for those with three months sea service on a particular type of tanker should contact MCA Seafarer Training & Certification at stc.courses@mca.gov.uk.

Rating and Trainees who have also completed an MNTB Tanker Fire Fighting Course may be issued with a CoP (see Annex 5) by the Training Centre. Those Trainees and Rating who have not completed MNTB Tanker Fire Fighting Course and all Officers may only be issued with CoT (see Annex 6). Officers must apply to the MCA for the issue of either a Certificate of Proficiency or to have a "Tanker Endorsement" entered in their UK Certificate of Competence. Please note the MCA cannot enter a "Tanker Endorsement" in non UK CoC's.

STCW 2010 Advanced training for oil tanker cargo operations

Annex 2 shows the KUP required by the STCW 2010 for advanced training for oil tanker cargo operations that were not identified as being included in the MNTB oil tanker training (STCW 95 Section A-V/1 paragraphs 8 to 14).

The MCA is content that any Training Centre with current approval to deliver Oil Tanker Training, may, on confirming that their teaching programme includes the KUP listed in Annex 2, be considered as approved to deliver training in advanced training for oil tanker cargo operations (STCW 2010 Tables A-V/1-1-2).

Candidates must hold either a certificate in STCW 95 Tanker Familiarisation or STCW 2010 basic training in oil and chemical tanker cargo operations to undertake this training; however, they need not have completed any further tanker sea service.

Rating and Trainees who, whilst holding appropriate basic tanker certification, have completed either three months or one month while completing an MNTB/MCA approved onboard training sea service on oil tankers within the last five years may be issued with a CoP (see Annex 7). Those Ratings and Trainees who do not meet these requirements and all Officers may only be issued with CoT (see Annex 8). Officers must apply to the MCA for the issue of either a Certificate of Proficiency or to have a "Tanker Endorsement" entered in their UK Certificate of Competence. Please note the MCA cannot enter a "Tanker Endorsement" in non UK CoC's.

STCW 2010 Advanced training for chemical tanker cargo operations

Annex 3 shows the KUP required by the STCW 2010 for advanced training for chemical tanker cargo operations that were not identified as being included in the MNTB chemical tanker training programme (STCW 95 Section A-V/1 paragraphs 15 to 21).

The MCA is content that any Training Centre with current approval to deliver Chemical Tanker Training, may, on confirming that their teaching programme includes the KUP listed in Annex 3, be considered as approved to deliver training in advanced training for chemical tanker cargo operations (STCW 2010 Tables A-V/1-1-3).

Candidates must hold either STCW 95 Tanker Familiarisation Certificates certificate or STCW 2010 basic training in oil and chemical tanker cargo operations to undertake this training; however, they need not have completed any further tanker sea service.

Rating and Trainees who, whilst holding appropriate basic tanker certification, have completed either three months or one month while completing an MNTB/MCA approved onboard training sea service on chemical tankers within the last five years may be issued with a CoP (see Annex 9) by the Training Centre. Those Ratings and Trainees who do not meet these requirements and all Officers may only be issued with CoT (see Annex 10). Officers must apply to the MCA for the issue of either a Certificate of Proficiency or to have a "Tanker Endorsement" entered in their UK Certificate of Competence. Please note the MCA cannot enter a "Tanker Endorsement" in non UK CoC's.

STCW 2010 Advanced training for liquefied gas tanker cargo operations

Annex 4 shows the KUP required by the STCW 2010 for advanced training for liquefied gas tanker cargo operations that were not identified as being included in the MNTB Liquefied Gas Tanker Training programme (STCW 95 Section A-V/1 paragraphs 22 to 34).

The MCA is content that any Training Centre with current approval to deliver Liquefied Gas Tanker Training, may, on confirming that their teaching programme includes the KUP listed in Annex 4, be considered as approved to deliver advanced training for liquefied gas tanker cargo operations (STCW 2010 Tables A-V/1-2-2).

Candidates must hold either STCW 95 Tanker Familiarisation Certificates certificate or STCW 2010 basic training in liquefied gas tanker cargo operations to undertake this training; however, they need not have completed any further tanker sea service.

Rating and Trainees who, whilst holding appropriate basic tanker certification, have completed either three months or one month while completing an MNTB/MCA approved onboard training sea service on chemical tankers within the last five years may be issued with a CoP (see Annex 11). Those Ratings and Trainees who do not meet these requirements and all Officers may only be issued with CoT (see Annex 12). Officers must apply to the MCA for the issue of either a Certificate of Proficiency or to have a "Tanker Endorsement" entered in their UK Certificate of Competence. Please note the MCA can not enter a "Tanker Endorsement" in non UK CoC's.

MCA Approval to issue tanker cargo operation Approval Certificates

Training Centres should supply both their local Marine Office and Seafarer Training & Certification Branch in Southampton (**STC**) (stc.courses@mcga.gov.uk) with a statement showing where the KUP identified in Annexes 1 to 4 is delivered within their programmes as appropriate to the courses they provide. On receipt of this information the Training Centre will be issued with course approvals for one or more of the following:

- Basic training for oil and chemical tanker cargo operations (excluding practical fire fighting)(STCW 2010 Table A-V/1-1-1) and Basic training for liquefied gas tanker cargo operations (excluding practical fire fighting)(STCW 2010 Tables A-V/1-2-1);
- Advanced training for oil tanker cargo operations (STCW 2010 Tables) A-V/1-1-2;
- Advanced training for chemical tanker cargo operations (STCW 2010 Tables A-V/1-1-3);
- Advanced training for liquefied gas tanker cargo operations (STCW 2010 Tables A-V/1-2-2).

The approval will be valid until the expiry date of the equivalent STCW 95 approval. Any Training Centre whose approval is not current should contact their local Marine Office to arrange re-approval of that particular course.

If you have any queries concerning this process please contact stc.courses@mcga.gov.uk.

Annex 1

Extract from STCW 2010 Table A-V/1-1-1 “Specification of minimum standard of competence in basic training for oil and chemical tanker cargo operations” showing the KUP which has not been clearly identified as being within the MNTB Tanker Familiarisation course

Competence	Knowledge, understanding and proficiency
Contribute to the safe cargo operation of oil and chemical tankers	Basic knowledge of the physical properties of oil and chemicals: .2 types of electrostatic charge generation .3 chemical symbols
Take precautions to prevent hazards	Understanding of information on Material Safety Data Sheets (MSDS)
Apply occupational health and safety precautions and measures	Basic knowledge of first aid with reference to MSDS's (First Aid do's and don'ts)

Extract from STCW 2010 Table A-V/1-2-1 “Specification of minimum standard of competence in basic training for liquefied gas tanker cargo operations” showing the KUP which has not been clearly identified as being within the MNTB Tanker Familiarisation Guidance

Competence	Knowledge, understanding and proficiency
Contribute to the safe cargo operation of oil and chemical tankers	Basic knowledge of the physical properties of oil and chemicals: .2 types of electrostatic charge generation .3 chemical symbols
Take precautions to prevent hazards	Basic Knowledge of the hazards associated with tanker operations. .10 extremely low temperatures .11 pressure hazards. Understanding of information on Material Safety Data Sheets (MSDS)
Apply occupational health and safety precautions and measures	Basic knowledge of first aid with reference to MSDS's (First Aid do's and don'ts)
Take precautions to prevent pollution of the environment from the release of liquefied gases	Basic knowledge and measures to be taken in the event of spillage including the need to: .3 prevent brittle fracture.

Annex 2

Extract from STCW 2010 Table A-V/1-1-2 "Specification of minimum standard of competence in advanced training for oil tanker cargo operations" showing the KUP which has not been clearly identified as being within the MNTB Specialised oil tanker training.

Competence	Knowledge, understanding and proficiency
Ability to safely perform and monitor all cargo operations	Knowledge of oil tanker design , systems and equipment, including .13 tank coatings Knowledge of the effect of bulk liquid cargoes on trim, stability and structural integrity. Knowledge and understanding of oil cargo-related operations, including: .7 load on top
Familiarity with physical and chemical properties of oil cargoes	Understanding the information contained in Material Safety Data Sheets (MSDS)
Respond to emergencies	Knowledge and understanding of oil tanker emergency procedures including: .6 use of Material Safety Data Sheets

Annex 3

Extract from STCW 2010 Table A-V/1-1-3 "Specification of minimum standard of competence in advanced training for chemical tanker cargo operations" showing the KUP which has not been clearly identified as being within the MNTB Chemical Tanker Training programme.

Competence	Knowledge, understanding and proficiency
Ability to safely perform and monitor all cargo operations	<p>Knowledge of chemical tanker design , systems and equipment, including</p> <ul style="list-style-type: none"> .8 cargo heating and cooling systems .15 tank, pipeline and fittings material and coatings. <p>Knowledge of the effect of bulk liquid cargoes on trim, stability and structural integrity.</p> <p>Knowledge and understanding of chemical cargo-related operations including:</p> <ul style="list-style-type: none"> .7 ship-to-ship transfers .8 inhibition and stabilization requirements .9 heating and cooling requirements and consequences to adjacent cargoes .10 cargo compatibility and segregation .11 high-viscosity cargoes
Familiarity with physical and chemical properties of oil cargoes	Understanding the information contained in Material Safety Data Sheets (MSDS)
Take precautions to prevent hazards	<p>Knowledge and understanding of the hazards and control measures associated with chemical tanker cargo operations, including:</p> <ul style="list-style-type: none"> .6 reactivity .7 corrosivity .8 low-boiling-point cargoes .9 high-density cargoes .10 solidifying cargoes .11 polymerizing cargoes
Respond to emergencies	<p>Knowledge and understanding of oil tanker emergency procedures including:</p> <ul style="list-style-type: none"> .8 use of Material Safety Data Sheets <p>Knowledge of medical first aid procedures on board chemical tankers, with reference to the Medical First Aid Guide for Use in Accidents involving Dangerous Goods (MFAAG)</p>

Annex 4

Extract from STCW 2010 Table A-V/1-2-2 "Specification of minimum standard of competence in advanced training for liquefied gas tanker cargo operations" showing the KUP which has not been clearly identified as being within the MNTB Liquefied Gas Tanker Training programme.

Competence	Knowledge, understanding and proficiency
Ability to safely perform and monitor all cargo operations	<p>Knowledge of liquefied gas tanker design , systems and equipment, including</p> <ul style="list-style-type: none"> .4 cargo handling equipment and instrumentation, including: <ul style="list-style-type: none"> 4.4 flame screens .7 cofferdam heating systems .13 custody transfer system <p>Knowledge of the effect of bulk liquid cargoes on trim, stability and structural integrity.</p> <p>Proficiency in tanker safety culture and implementation of safety management requirements</p> <p>Knowledge and understanding of chemical cargo-related operations including:</p> <ul style="list-style-type: none"> .7 ship-to-ship transfers .8 inhibition and stabilization requirements .9 heating and cooling requirements and consequences to adjacent cargoes .10 cargo compatibility and segregation .11 high-viscosity cargoes <p>Proficiency to perform cargo measurements and calculations, including:</p> <ul style="list-style-type: none"> .1 liquid phase .2 gas phase .3 On Board Quantity (OBQ) .4 Remain On Board (ROB) .5 boil-off cargo calculations <p>Knowledge and understanding of basic chemistry and physics and the relevant definitions related to the safe carriage of liquefied gases in bulk in ships, including:</p> <ul style="list-style-type: none"> .8 effect of low temperature brittle fracture
Familiarity with physical and chemical properties of oil cargoes	Understanding the information contained in Material Safety Data Sheets (MSDS)
Respond to emergencies	Knowledge of medical first-aid procedures and antidotes on board liquefied gas tankers, with reference to the Medical First Aid Guide for Use in Accidents involving Dangerous Goods (MFAG)

Annex 5

SPECIMEN CERTIFICATE

**PROFICIENCY IN BASIC OIL AND CHEMICAL TANKER
CARGO OPERATIONS (RATINGS AND TRAINEES)**

(to be produced and registered locally by the Issuing Authority providing a MNTB Tanker Fire Fighting course has been completed.)

Certificate No: [Unique identifier number allocated by Approved Training Centre]	
MCA Approval Certificate Number: [Issued by the MCA]	
Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)	
CERTIFICATE OF PROFICIENCY IN BASIC OIL, CHEMICAL AND LIQUEFIED GAS TANKER CARGO OPERATIONS (RATINGS AND TRAINEES)	
This is to certify that [full name of learner]	
Date of Birth [MM/DD/YYYY]	
Discharge Book Number	
or other National ID [identify the document]:	
has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:	
Regulations V/1-1, paragraph 2 , Section A-V/1-1, paragraph 1 and Regulations V/1-2, paragraph 2, Section A-V/1-2, paragraph 1 of the STCW Convention and Code 1978 as amended	
and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.	
This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.	
Signature of Principal or Authorised Representative of the Approved Training Centre _____	Issuing Authority Stamp and Date
Signature of person to whom this certificate was issued _____	
Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.	

**Annex 6
SPECIMEN CERTIFICATE**

**TRAINING IN BASIC OIL, CHEMICAL AND LIQUEFIED GAS
TANKER CARGO OPERATIONS**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF TRAINING IN
BASIC OIL, CHEMICAL AND LIQUEFIED GAS TANKER CARGO OPERATIONS**

This is to certify that [full name of learner]

Date of Birth [MM/DD/YYYY]

Discharge Book Number

or other National ID [identify the document]:

has successfully completed a programme of training ,**excluding the practical fire fighting** approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

Regulations V/1-1 paragraph 2, Section A-V/1-2 paragraph 1 and Regulations V/1-2 paragraph 2, Section A-V/1-2, paragraph 1 of the STCW Convention and Code 1978 as amended

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

Signature of Principal or
Authorised Representative
of the Approved Training
Centre _____

Signature of person to
whom this certificate was
issued _____

Issuing Authority
Stamp and Date

Note: This is not a Certificate of Proficiency and must be submitted to the MCA who will either issue a Certificate of Proficiency or enter an appropriate endorsement in your certificate of competence.

Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.

**Annex 7
SPECIMEN CERTIFICATE**

**PROFICIENCY IN ADVANCED OIL TANKER
CARGO OPERATIONS (RATING AND TRAINEES)**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF PROFICIENCY IN
ADVANCED OIL TANKER CARGO OPERATIONS (RATINGS AND TRAINEES)**

This is to certify that [full name of learner]

Date of Birth [MM/DD/YYYY]

Discharge Book Number

or other National ID [identify the document]:

has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

Regulations V/1-1, paragraph 4 and Section A-V/1-1, paragraph 2 of the STCW Convention and Code 1978 as amended

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

Signature of Principal or
Authorised Representative
of the Approved Training
Centre _____

Signature of person to
whom this certificate was
issued _____

Issuing Authority
Stamp and Date

Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.

**Annex 8
SPECIMEN CERTIFICATE**

**CERTIFICATE OF TRAINING IN ADVANCED OIL TANKER
CARGO OPERATIONS**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF TRAINING IN
ADVANCED OIL TANKER CARGO OPERATIONS**

This is to certify that [full name of learner]

Date of Birth [MM/DD/YYYY]

Discharge Book Number

or other National ID [identify the document]:

has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

Regulations V/1-1, paragraph 4 and Section A-V/1-1, paragraph 2 of the STCW Convention and Code 1978 as amended

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

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Authorised Representative
of the Approved Training
Centre _____

Signature of person to
whom this certificate was
issued _____

Issuing Authority
Stamp and Date

Note: This is not a certificate of proficiency and must be submitted to the MCA who will either issue a Certificate of Proficiency or enter an appropriate endorsement in your certificate of competence

Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.

Annex 9

SPECIMEN CERTIFICATE

**PROFICIENCY IN ADVANCED CHEMICAL TANKER
CARGO OPERATIONS (RATINGS AND TRAINEES)**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF PROFICIENCY IN
ADVANCED CHEMICAL TANKER CARGO OPERATIONS (RATINGS AND TRAINEES)**

This is to certify that [full name of learner]

Date of Birth [MM/DD/YYYY]

Discharge Book Number

or other National ID [identify the document]:

has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

Regulations V/1-1, paragraph 6 and Section A-V/1-1, paragraph 3 of the STCW Convention and Code 1978 as amended

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

Signature of Principal or
Authorised Representative
of the Approved Training
Centre _____

Signature of person to
whom this certificate was
issued _____

Issuing Authority
Stamp and Date

Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.

Annex 10

SPECIMEN CERTIFICATE

**CERTIFICATE OF TRAINING IN ADVANCED CHEMICAL TANKER
CARGO OPERATIONS**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF TRAINING IN
ADVANCED CHEMICAL TANKER CARGO OPERATIONS**

This is to certify that [full name of learner]

Date of Birth [MM/DD/YYYY]

Discharge Book Number

or other National ID [identify the document]:

has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

Regulations V/1-1, paragraph 6 and Section A-V/1-1, paragraph 3 of the STCW Convention and Code 1978 as amended

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

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Signature of person to
whom this certificate was
issued _____

Issuing Authority
Stamp and Date

Note: This is not a certificate of proficiency and must be submitted to the MCA who will either issue a Certificate of Proficiency or enter an appropriate endorsement in your certificate of competence

Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.

**Annex 11
SPECIMEN CERTIFICATE**

**PROFICIENCY IN ADVANCED LIQUEFIED GAS TANKER
CARGO OPERATIONS (RATINGS AND TRAINEES)**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF PROFICIENCY IN
ADVANCED LIQUEFIED GAS TANKER CARGO OPERATIONS (RATINGS AND
TRAINEES)**

This is to certify that [*full name of learner*]

Date of Birth [*MM/DD/YYYY*]

Discharge Book Number

or other National ID [*identify the document*]:

has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

**Regulations V/1-2, paragraph 4 and Section A-V/1-2, paragraph 2 of the STCW
Convention and Code 1978 as amended**

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

Signature of Principal or
Authorised Representative
of the Approved Training
Centre _____

Signature of person to
whom this certificate was
issued _____

Issuing Authority
Stamp and Date

Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.

**Annex 12
SPECIMEN CERTIFICATE**

**CERTIFICATE OF TRAINING IN ADVANCED LIQUEFIED GAS TANKER
CARGO OPERATIONS**

(to be produced and registered locally by the Issuing Authority)

Certificate No: [Unique identifier number allocated by Approved Training Centre]

MCA Approval Certificate Number: [Issued by the MCA]

Address and contact details including telephone and email of Issuing Authority (Approved Training Centre)

**CERTIFICATE OF TRAINING IN
ADVANCED LIQUEFIED GAS TANKER CARGO OPERATIONS**

This is to certify that [full name of learner]

Date of Birth [MM/DD/YYYY]

Discharge Book Number

or other National ID [identify the document]:

has successfully completed a programme of training approved by the Maritime and Coastguard Agency as meeting the requirements laid down in:

Regulations V/1-2, paragraph 4 and Section A-V/1-2, paragraph 2 of the STCW Convention and Code 1978 as amended

and has also met the additional criteria specified in the STCW Convention and Code, applicable to the issue of this certificate.

This Certificate is issued under the authority of the Maritime and Coastguard Agency of the United Kingdom of Great Britain and Northern Ireland, an executive agency of the Department for Transport.

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Inquiries concerning this certificate should be addressed to the Issuing Authority at the address above.