



**DEVELOPING OF DANGEROUS GOODS SAFETY ADVISORS' FIELD APPLICATION COMPETENCIES PROJECT-
COMPETENCE MAP**

Area	Module	Learning Unit	Learning Outcomes	Knowledge	Skills	Competences
P1- General provisions	P1.1 – Scope and Applicability, Definitions	P1.1.1 – Applicability and Scope of ADR	P1.1. 1.1 - The DGSA will be able to manage the applicability and scope of ADR	The DGSA will be able to define the general applicability and scope of ADR.	The DGSA will be able to practice applicability and scope of ADR.	The DGSA will be able to manage the general applicability and scope of ADR
		P1.1.2 - Exemptions	P1.1.2.1 – The DGSA will be able to apply the ADR exemptions for various dangerous goods.	The DGSA will be able to define the types and content of exemptions in ADR.	The DGSA will be able to interpret the types and content of exemptions in ADR.	The DGSA will be able to determine whether a piece of dangerous goods carried under ADR is subject to an exemption or not.
	P1.2 – Training of Persons Involved in the Carriage of Dangerous Goods	P1.2.1 – Scope and nature of the training offered to people involved in the ADR process	P1.2 .1.1– The DGSA will be able to apply the scope and nature of the general consciousness-raising, mission-specific training and safety training offered to persons involved in the ADR process.	The DGSA will be able to describe the scope and nature of the training to be offered to persons involved in the ADR process	The DGSA will be able to plan the scope and nature of the training to be offered to persons involved in the ADR process.	The DGSA will be able to determine the training programmes for persons involved in the ADR process, together with the scope and content of such training.
	P1.3 – Safety Obligations of the Participants	P1.3.1 – Safety Obligations for people involved	P1.3.1.1 – The DGSA will be able to apply the general safety measures implemented in the carriage of dangerous goods and the safety obligations of the management and other	The DGSA will be able to describe the general safety obligations foreseen in ADR and safety obligations for the management and other participants involved in the process	The DGSA will be able to demonstrate the general safety obligations foreseen in ADR and safety obligations for the management and other participants involved in the process	The DGSA will be able to follow up if people involved fulfil the general safety obligations foreseen in ADR and safety obligations for the management and other participants involved in the process

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		participants involved in this process.			
P1.4 – Transport Restrictions; and Checks and other support measures to ensure compliance with safety requirements	P1.4.1 - Transport restrictions specified in ADR with respect to the carriage of dangerous goods and Checks and other support measures to ensure compliance with safety requirements	P1.4.1.1 - The DGSA will be able to identify the restrictions and prohibitions by the competent authority. The DGSA will also be able to monitor the duties and responsibilities.	The DGSA will be able to define the restrictions and prohibitions by the competent authority together with the related duties and responsibilities	The DGSA will be able to apply the restrictions and prohibitions by the competent authority. The DGSA will also be able to apply the duties and responsibilities foreseen	The DGSA will be able to ensure the transport of dangerous goods within the framework of specified safety requirements and restrictions and supervise the related duties and responsibilities
P1.5 – Security Provisions	P1.5.1– Provision of safety training and preparation of a security plan	P1.5.1.1- The DGSA will be able to provide security training and ensure the preparation of a security plan for dangerous goods transportation, based on the list of dangerous goods.	The DGSA will be able to identify dangerous goods that may have serious consequences.	The DGSA will be able to prepare and provide security training and ensure the preparation of a security plan for dangerous goods transportation based on the list of dangerous goods	The DGSA will be able to carry out the implementation of a security plan prepared specifically for the transportation of dangerous goods that may have serious consequences

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P2- Classification	P2.1 – Classification of Dangerous Goods	P2.1.1 – Types of dangerous goods and their classification principles	P2.1.1.1– The DGSA will be able to explain the main types of dangers relevant for the carriage of dangerous goods and their classification principles.	The DGSA will be able to list the main types of dangers observed during the carriage of dangerous goods	The DGSA will be able to identify the classification principles, main types of dangers, and possible solutions in case of danger as relevant for the carriage of dangerous goods	The DGSA will be able to create solutions to cases of main types of danger observed during carriage by identifying and defining dangerous goods
		P2.1.2 – Classification of Dangerous Goods	P2.1.2.1– The DGSA will be able to classify a given item of dangerous goods in carriage with consideration for provisions on classification criteria, part definitions, compatibility groups, and articles or substances not allowed on board.	The DGSA will be able to define the provisions on classification criteria, part definitions, and compatibility groups of dangerous goods, and articles or substances not allowed on board	The DGSA will be able to describe the provisions on classification criteria, part definitions, and compatibility groups of dangerous goods, and articles or substances not allowed on board	The DGSA will be able to classify dangerous goods and ensure that they are managed under suitable conditions.
P3-Dangerous Goods List, Special Provisions and Exemptions related to Limited and	P3.1 – Dangerous goods list	P3.1.1 – Dangerous goods list	P3.1.1.1 – The DGSA will be able to use the table of dangerous goods.	The DGSA will be able to define the columns in the table of dangerous goods	The DGSA will be able to describe the use of the table of dangerous goods	The DGSA will be able to ensure that the dangerous goods transported are handled within the framework of relevant specifications described in the dangerous goods list



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Excepted Quantities	P3.2 – Special Provisions on Limited and Excepted Quantities	P3.2.1– Special provisions applicable to certain articles or substances	P3.2.1.1 – The DGSA will be able to explain the inferences and requirements of special provisions on certain articles or substances.	The DGSA will be able to define the inferences and requirements of special provisions on certain articles or substances.	The DGSA will be able to describe the inferences and requirements of special provisions on certain articles or substances.	The DGSA will be able to ensure that the dangerous goods transported are handled within the framework of relevant special provisions.
	P3.3 – Dangerous Goods Packaged at Limited and Excepted Quantities	P3.3.1 – Carriage of dangerous goods at limited and excepted quantities	P3.3.1.1 – The DGSA will be able to explain the packaging criteria and placarding procedures for dangerous goods that may be packaged at limited and excepted quantities.	The DGSA will be able to describe the concepts of limited and excepted quantities in dangerous goods	The DGSA will be able to determine limited and excepted quantities with respect to goods in carriage	The DGSA will be able to supervise the carriage of dangerous goods in accordance with limited and excepted quantities
P4- Packing and tank provisions	P4.1 – Use of Packaging including IBCs and Large Packagings	P4.1.1– General provisions on the use of packaging	P4.1.1.1– The DGSA will be able to apply the general provisions on the use of packaging including IBCs and large packagings	The DGSA will be able to define the general provisions (load factors, collective records, salvage pressure receptacles, assimilation list, etc.) with respect to the use of packaging including IBCs and large packaging.	The DGSA will be able to determine the type of packaging suitable for a specific item of dangerous goods under the general provisions on the use of packaging including IBCs and large packagings	The DGSA will be able to ensure that a specific item of dangerous goods is packaged in line with the general provisions on the use of packaging including IBCs and large packagings



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	P4.1.2 – Packaging	P4.1.2.1 – The DGSA will be able to determine the type of packaging to be used with specific dangerous goods with reference to the table of dangerous goods and the relevant packing instructions.	The DGSA will be able to define the general provisions on packaging instructions and the content of relevant instructions	The DGSA will be able to determine the packaging to be used with specific dangerous goods	The DGSA will be able to ensure that dangerous goods are packaged in line with relevant instructions
	P4.1.3 – Special provisions on mixed packaging	P4.1.3.1– The DGSA will be able to explain the provisions in place with respect to the types of packaging suitable for specific dangerous goods.	The DGSA will be able to describe the special provisions on mixed packaging	The DGSA will be able to determine the packaging suitable for dangerous goods to be subject to mixed packaging under the special provisions on mixed packaging	The DGSA will be able to ensure that dangerous goods are packaged in line with the special provisions on the mixed packaging of dangerous goods
P4.2 – Use of Portable Tanks and MEGCs	P4.2.1– General provisions and instructions on portable tanks	P4.2.1.1– The DGSA will be able to explain the general provisions on the use of portable tanks and MEGCs (load factor, loading, etc.) and instructions on portable tanks.	The DGSA will be able to describe the general provisions on the use of portable tanks and MEGCs and instructions on portable tanks	The DGSA will be able to determine the tank to be used for specific dangerous goods within the framework of the general provisions on the use of portable tanks and MEGCs and instructions on portable tanks	The DGSA will be able to ensure that dangerous goods are carried in line with the general provisions on the use of portable tanks and MEGCs and instructions on portable tanks

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<p>P4.3 – Use of fixed tanks, demountable tanks, tank-containers, and tank swap bodies with shells made of metal, and battery-vehicles, and MEGCs</p>	<p>P4.3.1– Provisions applicable to all classes, special provisions applicable to Class 2, special provisions applicable to Classes 1 and 3 to 9 and other special provisions</p>	<p>P4.3.1.1—The DGSA will be able to explain the use of fixed tanks, demountable tanks, tank-containers, and tank swap bodies with shells made of metallic materials, and battery-vehicles, and MEGCs.</p>	<p>The DGSA will be able to define the general and special provisions and class-specific provisions (tank codes and tank hierarchy, loading conditions, and testing pressures) relating to fixed tanks, demountable tanks, tank-containers, and tank swap bodies with shells made of metal, battery-vehicles, and MEGCs</p>	<p>The DGSA will be able to determine the tank to be used for specific dangerous goods under the general and special provisions and class-specific provisions (tank codes and tank hierarchy, loading conditions, and testing pressures) relating to fixed tanks, demountable tanks, tank-containers, and tank swap bodies with shells made of metal, and battery-vehicles, and MEGCs</p>	<p>The DGSA will be able to ensure that dangerous goods are carried within the framework of the general and special provisions and class-specific provisions (tank codes and tank hierarchy, loading conditions, and testing pressures) relating to fixed tanks, demountable tanks, tank-containers, and tank swap bodies with shells made of metal, and battery-vehicles, and MEGCs</p>
<p>P4.4 – Use of FRP Tanks, Fixed Tanks, Demountable Tanks, Tank-Containers, and Tank Swap Bodies and Vacuum-</p>	<p>P4.4.1– Provisions on the use of tanks, fixed tanks, demountable tanks, tank-containers, and tank swap bodies and vacuum-</p>	<p>P4.4.1.1– The DGSA will be able to explain the provisions on the use of tanks, fixed tanks, demountable tanks, tank-containers, and tank swap bodies and vacuum-operated waste containers.</p>	<p>The DGSA will be able to describe the provisions on the use of tanks, fixed tanks, demountable tanks, tank-containers, and tank swap bodies and vacuum-operated waste containers</p>	<p>The DGSA will be able to identify the tank to be used for specific dangerous goods within the framework of the provisions on the use of tanks, fixed tanks, demountable tanks, tank-containers, and</p>	<p>The DGSA will be able to ensure that dangerous goods be carried in line with the provisions on the use of tanks, fixed tanks, demountable tanks, tank-containers, and tank swap bodies and vacuum-operated waste containers</p>



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	Operated Waste Containers. Tank types, classification and approval	operated waste containers			tank swap bodies and vacuum-operated waste containers	
	P4.5– Use of Mobile Explosive Manufacturing Units	P4.5.1– Provisions on the use of mobile explosive manufacturing units and the staff who handle these MEMUs	P4.5.1.1– The DGSA will be able to explain the provisions on the use of mobile explosive manufacturing units.	The DGSA will be able to define the provisions on the use of mobile explosive manufacturing units	The DGSA will be able to determine the vehicle to be used for specific dangerous goods under the provisions on the use of mobile explosive manufacturing units	The DGSA will be able to ensure that dangerous goods are carried in line with the provisions on the use of mobile explosive manufacturing units.
P5 – Consignment Procedures	P5.1 – Use, Labelling, and Marking of Packagings	P5.1.1– General provisions on the use of packaging and general and special provisions on the labelling and marking of packagings	P5.1.1.1– The DGSA will be able to explain the procedure for the labelling and marking of packaging of dangerous goods under the general provisions on the use of packaging and general and special provisions on their labelling and marking.	The DGSA will be able to describe the general and special provisions on the use, labelling, and marking of packagings	The DGSA will be able to determine the labels and marks suitable for the packaging of dangerous goods under the general provisions on the use of packaging and general and special provisions on their labelling and marking	The DGSA will be able to check whether the packaging of dangerous goods is duly labelled and marked under the general provisions on the use of packaging and general and special provisions on their labelling and marking



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<p>P5.2 – Placarding of Containers, MEGCs, MEMUs, Tank-Containers, and Portable Tanks and Vehicles</p>	<p>P5.2.1– Placarding and marking of Containers, MEGCs, MEMUs, Tank-Containers, and Portable Tanks and Vehicles</p>	<p>P5.2.1.1– The DGSA will be able to plan the procedures for the placarding and marking of Containers, MEGCs, MEMUs, Tank-Containers, and Portable Tanks and Vehicles.</p>	<p>The DGSA will be able to define the general and special provisions on the placarding and marking of Containers, MEGCs, MEMUs, Tank-Containers, and Portable Tanks and Vehicles</p>	<p>The DGSA will be able to prepare the label and marking suitable for the packaging of dangerous waste in the framework of the general and special provisions on the placarding and marking of Containers, MEGCs, MEMUs, Tank-Containers, and Portable Tanks and Vehicles</p>	<p>The DGSA will be able to supervise whether containers, MEGCs, MEMUs, tank-containers, and portable tanks and vehicles carrying dangerous goods have been marked in line with the framework of the general and special provisions on the placarding and marking of Containers, MEGCs, MEMUs, Tank-Containers, Portable Tanks, and Vehicles</p>
<p>P5.3 – Documentation and special provisions</p>	<p>P5.3.1 – The dangerous goods transport document, container/vehicle packing certificate, written instructions, and special provisions</p>	<p>P5.3.1.1 – The DGSA will be able to demonstrate the content and use of the dangerous goods transport document required to accompany carriage and the container/vehicle packing certificate, and, in addition, certain special provisions on fumigated units and cooling and ventilation.</p>	<p>The DGSA will be able to define the content and use of the dangerous goods transport document and container/vehicle packing certificate, and certain special provisions on the subject</p>	<p>The DGSA will be able to prepare the dangerous goods transport document required to accompany carriage and to describe the content and use of the container/vehicle packing certificate and written instructions</p>	<p>The DGSA will be able to ensure the procedure for the preparation and due use of documentation during the carriage of dangerous goods.</p>



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P6– Requirements for the construction and testing of packagings, intermediate bulk containers (IBCs), large packagings, tanks and bulk containers)	P6.1 - Structure and Testing Requirements for Packaging, Intermediate Bulk Containers (IBCs), Large Packagings, Tanks, and Bulk Containers	P6.1.1– Provisions on requirements on the construction and testing of packaging, intermediate bulk containers (IBCs), large packagings, tanks, and bulk containers	P6.1.1.1-The DGSA will be able to demonstrate the general and special provisions on the types and codes of packagings, marking, packing requirements, testing requirements, design and construction, raw materials, equipment parts, certification and examination, and type approval, etc.	The DGSA will be able to define the general and special provisions on the types and codes of packagings, marking, packing requirements, testing requirements, design and construction, raw materials, equipment parts, certification and examination, and type approval, etc.	The DGSA will be able to operate if the packaging of dangerous waste fulfil requirements on the construction and testing prescribed in ADR	The DGSA will be able to ensure that dangerous goods are provided with packagings that satisfy requirements on the construction and testing prescribed in ADR
P7-Provisions concerning the Conditions of Carriage, Loading, Unloading, and Handling	P7.1 – Provisions concerning the conditions of carriage and loading, unloading, and handling conducted with packaging, bulk load, and tanks	P7.1.1 – Provisions concerning the conditions of carriage and loading, unloading, and handling conducted with packaging, bulk load, and tanks	P7.1.1.1 The DGSA will be able to demonstrate the provisions concerning the conditions of carriage and loading, unloading, and handling conducted with packaging, bulk load, and tanks	The DGSA will be able to describe the provisions concerning the conditions of carriage and loading, unloading, and handling conducted with packaging, bulk load, and tanks	The DGSA will be able to assess the type of vehicle suitable for carriage and the relevant loading, unloading, and handling conditions as per the classification of dangerous goods under the provisions on carriage in packaging, bulk load, and tanks	The DGSA will be able to ensure that dangerous goods are carried with a suitable type of vehicle for carriage and under the relevant loading, unloading, and handling conditions as per the classification of dangerous goods under the provisions on carriage in packaging, bulk load, and tanks
P8- Requirements for Vehicle	P8.1 - Requirements for Vehicle Crews,	P8.1.1- Requirements for the training,	P8.1.1.1- The DGSA will be able to use due documents to be carried	The DGSA will be able to describe documents to be carried on the	The DGSA will be able to assess whether the carriage of dangerous	The DGSA will be able to ensure that dangerous goods are carried with due



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Crews, Equipment, Operation, and Documentation	Equipment, Operation, and Documentation	equipment, operation, supervision, and documentation of vehicle crews	on the transport unit, fire-fighting equipment, miscellaneous equipment, and personal protective equipment; P8.1.1.2- The DGSA will be able to demonstrate training of vehicle crews and miscellaneous requirements to be complied with by the vehicle crew; and P8.1.1.3- The DGSA will be able to comply with the requirements concerning the supervision of vehicles, additional requirements relating to particular classes; - P8.1.1.4- The DGSA will be able to comply with the provisions on road tunnel restrictions.	transport unit, fire-fighting equipment, miscellaneous equipment, and personal protective equipment; - Training of vehicle crews and miscellaneous requirements to be complied with by the vehicle crew; and - Additional requirements concerning the supervision of vehicles, road tunnel restrictions, and particular classes and substances. - List the different types of tunnels letters A,B,C,D,E	goods comply with the requirements in place concerning the training, equipment, operation, and vehicle documentation of vehicle crews	consideration of the requirements concerning vehicle crews and their equipment, operation, and documentation.
P9 – Requirements concerning	P9.1 – Requirements concerning the	P9.1.1 – Requirements concerning the	P9.1.1.1 – The DGSA will be able to apply the provisions on the	The DGSA will be able to list the requirements in place for vehicles	The DGSA will be able to determine a suitable vehicle satisfying the	The DGSA will be able to ensure that dangerous goods are carried in vehicles

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the Construction and Approval of Vehicles	Construction and Approval of Vehicles	definition, approval, examination, and construction of vehicles and additional requirements concerning certain special types of vehicles such as those used in the carriage of Class 1 articles Classification of vehicles according to your approval	requirements concerning the definition, approval, examination, and construction of vehicles and additional requirements concerning certain special types of vehicles (such as those) used in the carriage of Class 1 articles.	that will carry the dangerous goods as per classification	requirements for the construction and approval of ADR vehicles in line with the class of dangerous goods in carriage	constructed in line with the requirements for the construction and approval of ADR vehicles.
P10 – Information on the Site Practices of DGSAs	P10.1 - Duties and Responsibilities of DGSAs	P10.1.1 – Skills relating to the definition of duties, authorities, and responsibilities for DGSAs.	P10.1.1.1 – The DGSA will be able to apply the scope, duties, authorities, and responsibilities of DGSAs	The DGSA will be able to identify the steps to be taken to comply with foreseen duties by defining the scope, duties, authorities, and	The DGSA will be able to establish a general plan for all required practices under the definition of the scope, duties, authorities, and	The DGSA will be able to follow up planning and implementation for all required practices under the definition of the scope, duties, authorities, and responsibilities of DGSAs.

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	Minimum requirements to carry out the activity		responsibilities of DGSA's.	responsibilities of DGSA's.	
P10.2 – Step-by-Step Site Analysis	P10.2.1 – Site and function analysis for any establishment employing a DGSA	P10.2.1.1 – The DGSA will be able to identify the steps to be taken upon a detailed analysis of the documentation and functioning as observed in the establishment taken up by a DGSA for the purposes of their duties.	The DGSA will be able to identify a time schedule for the steps to be taken upon a detailed analysis of the documentation and functioning as observed in the DGSA's defined duties.	The DGSA will be able to plan a time schedule for the steps to be taken upon a detailed analysis of the documentation and functioning as observed in the DGSA's defined duties.	The DGSA will follow up the application of the work plan /time schedule established according to his/her duties.
P10.3 – Required Documentation and Forms	P10.3.1 – Forms and documentation	P10.3.1.1 – The DGSA will be able to prepare forms and documentation for the purposes of his/her duties in line with the sector involved	The DGSA will be able to identify and make available the forms and documentation required specifically for the sector involved.	The DGSA will be able to apply the steps to be taken for the necessary forms and documentation to be made available.	The DGSA will be able to make available the forms and documentation compiled specifically for the sector involved. They will also ensure that such forms and documentation are put in effect.

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	P10.4 – Site Audits	P10.4.1– Forms and lists created for site audits by DGSAs	P10.4.1.1– The DGSA will be able to create forms and lists for site audits.	The DGSA will be able to describe an audit on the company of employment on the basis of documentation specifically created for the sector/company involved.	The DGSA will be able to create audit forms/lists specifically for the sector/company of employment.	The DGSA will be able to follow up on the results of the site audits
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