



TRAINING AGREEMENT AND QUALITY COMMITMENT IN LEONARDO DA VINCI PROGRAMME

I. DETAILS ON THE PARTICIPANT

Name and first name of the participant:

Field of vocational education: 521

Sending institution (name, address): School Cluster "George Bibescu" str. Constantin Brancoveanu nr. 101200233 Craiova

Contact person (name, function, e-mail, tel): Melichian Florina , profesor, nusamelichian@yahoo.fr
tel. **0742062089**

II. DETAILS OF THE PROPOSED TRAINING PROGRAMME ABROAD

Receiving organisation (name address): **ZAW Zentrum fur Aus- und Weiterbildung Leipzig GmbH**,
Ritterschlossen 22,04179 Leipzig, Germany ,www.zaw-leipzig.de

Contact Person (name, function, e-mail, tel): Lutz Kowollik, director, 004934144232-0, Fax 004934144232-52,e-mail:info@zaw-leipzig.de

Intermediary organisation (name address): **ZAW Zentrum fur Aus- und Weiterbildung Leipzig GmbH**,
Ritterschlossen 22,04179 Leipzig, Germany ,www.zaw-leipzig.de

Contact Person (name, function, e-mail, tel): Sabine Rohring-Mahhou, manager,
sabine.mahhou@wisamar.de, +49 341 6792050

Planned dates of start and end of the placement period : 08.02-28.02.2010

- Knowledge, skills and competence to be acquired: car mechanic qualification level II

Knowledge about :

- ▶ essential knowledge in the field of car building and car performance;
- ▶ the function of car equipments and car systems;
- ▶ methods of car diagnosis;
- ▶ car maintenance and repair;
- ▶ modern car structure;
- ▶ workplace safety and security regulations

Skills :

- ▶ identify the car components;
- ▶ dismantle-assemble car components;
- ▶ check car components;
- ▶ test the functioning of car equipments



Lifelong Learning Programme

Competences in :	
<ul style="list-style-type: none"> ▶ performing examination, check and measurement operations ▶ interpreting data collected by the diagnosis system ▶ establishing the diagnostic 	
- Detailed programme of the training period:	
Day 1	<p>The participant is familiarised with the essential knowledge in the field of mechatronics by the stage trainee.</p> <p>The participant :</p> <ul style="list-style-type: none"> • attends the presentation of car mechatronic systems • attends the presentation of functional parameters for mechatronic systems • locate the car mechatronic systems <p>Completes the daily worksheet.</p>
Day 2	<p>The trainee shows the participant the technical documentation and the equipment that is used in computer assisted diagnosis: computerized stand, the method and the procedure of diagnostic on test stand, equipment characteristics, the system of data transmission, operating system – software.</p> <p>The participant:</p> <ul style="list-style-type: none"> • attends the presentation of car technical specifications (diagrams, catalogues, technical books) • identifies the graphic symbols used in the presentation of mechatronic systems • practices the use of technical documentation and equipment <p>Completes the daily worksheet.</p>
Day 3	<p>The trainee shows the participant the electronic control systems.</p> <p>The participant:</p> <ul style="list-style-type: none"> • attends the presentation of electronic control systems • identifies the components of electronic control systems • examines, under guidance, the functioning of electronic systems • interprets the acquired results. <p>Completes the daily worksheet.</p>
Day 4	<p>The trainee shows the participant the electronic control of ignition system</p> <p>The participant :</p> <ul style="list-style-type: none"> • identifies the components of ignition system, with or without a distributor • attends the diagnostic routine of ignition system • measures the output voltage in the Hall effect sensor contactors • interprets the acquired results. <p>Completes the daily worksheet.</p>
Day 5	<p>The trainee shows the participant the injection system for Diesel engines.</p> <p>The participant:</p> <ul style="list-style-type: none"> • identifies the components of the injection system • locates the system sensors and actuators • attends the diagnostic routine of injection system • interprets the computer acquired results • performs the necessary corrections to the injection system according to the different functioning regimes: no-load run, roll back run and load run <p>Completes the daily worksheet.</p> <p>Completes the weekly evaluation questionnaire.</p> <p>Individual practical test: diagnose the injection system for Diesel engines.</p>



Lifelong Learning Programme

Day 6	<p>The trainee shows the participant the injection system for petrol engines</p> <ul style="list-style-type: none"> • identifies the components of the injection system • attends the diagnostic routine of injection system • adjusts, under guidance, the injection system according to the different functioning regimes: no-load run, roll back run and load run • replaces the used injectors <p>Completes the daily worksheet.</p>
Day 7	<p>The trainee shows the participant Combustion diagnostic – exit gases control, velocity and pollution determination. The participant:</p> <ul style="list-style-type: none"> • performs scanning exercises • reads and interprets the malfunction codes • measures the level of CO₂ emissions using EOBD technology • attends the diagnostic routine for CO₂ emissions performed by electronic diagnostics equipment (exhaust gas analyser) <p>Completes the daily worksheet.</p>
Day 8	<p>The trainee shows the participant Electric power transmission control (TC)</p> <ul style="list-style-type: none"> • identifies the components of power transmission system • attends the diagnostic routine of power transmission system • examines the components of power transmission system • replaces, under guidance, the defective components, without dismantling them from the car <p>Completes the daily worksheet.</p>
Day 9	<p>The trainee shows the participant the Electronic traction control system (TCS) The participant:</p> <ul style="list-style-type: none"> • identifies the components of traction system • attends the diagnostic routine for traction system • examines the components of traction system • replaces, under guidance, the defective components <p>Completes the daily worksheet.</p>
Day 10	<p>The trainee shows the participant the electronic stability control (ESP – electronic system program) The participant:</p> <ul style="list-style-type: none"> • locates the car speed sensors • attends la the diagnostic routine for safety systems • examines system components • replaces, under guidance, the defective components (electronic module, sensors) <p>Completes the daily worksheet. Completes the weekly evaluation questionnaire. Individual practical test: examine the components of ESP</p>
Day 11	<p>The trainee shows the participant the Steering system</p> <ul style="list-style-type: none"> • identifies the components of the steering system • attends the diagnostic routine for steering systems • examines the components of the steering system • adjusts, under guidance, the angles of the wheels and bolt <p>Completes the daily worksheet.</p>
Day 12	<p>The trainee shows the participant the Electronic assisted suspension</p> <ul style="list-style-type: none"> • locates the constructional components • attends the diagnostic routine for active suspension system • examines the components of the suspension system • notices and compares types of car suspension



Lifelong Learning Programme

	Completes the daily worksheet.
Day 13	<p>The trainee shows the participant the Car brake system</p> <p>The participant:</p> <ul style="list-style-type: none"> • identifies the system components • notices and explains the importance of ABS - Antilock brake system • attends the diagnostic routine for brake system • determines the strength of brake power using the electronic method • replaces the friction pads , completes the brake fluid, performs the brake system ventilation <p>Completes the daily worksheet.</p>
Day 14	<p>The trainee shows the participant Comfort and safety systems</p> <p>The participant:</p> <ul style="list-style-type: none"> • identifies the constructional components of comfort and safety systems • examines, under guidance, the functioning of the systems: airbag system, centralized locking (remote control emission-receiving system), cooling and air conditioning system • adjusts the alarm sensor sensitiveness for ABS systems according to the type of car • replaces, under guidance, the defective sensors, the monitoring module or other defective components for comfort and safety systems <p>Completes the daily worksheet. Completes the weekly evaluation questionnaire. Individual practical test: diagnostic routine for combustion and pollutant emissions performed with electric tester.</p>
Day 15	<p>Final assessment:</p> <ul style="list-style-type: none"> • practical test: performing the procedure for testing the brake system • oral test: description of servo-assisted steering operating trouble <p>Issuing the Europass mobility certificates.</p>
<p>- Tasks of the trainee:</p> <ul style="list-style-type: none"> - to apply correspondingly the workplace safety regulations <ul style="list-style-type: none"> - to use adequate tools and devices - to measure using specific tools, apparatus and devices - to identify the worn out or defective components - to replace worn out or defective components - to diagnose the various car devices and systems using specific equipment - to detect the existent car troubles - to offer alternative solutions in order to repair the defects - to assure quality - to work in a team 	
<p>- Monitoring and Mentoring of the participant:</p> <p>The accompanying teacher from School Cluster "George Bibescu" monitors and guides the participant by :</p> <ul style="list-style-type: none"> - continuous observation – observation sheets - continuously guidance of the participant, activity and behaviour surveillance in order to achieve the set objectives within the project - individual and group discussions with the participants - checking the individual worksheets of the participant 	



Education and Culture DG

Lifelong Learning Programme

Evaluation and Validation of the training placement:

The assessment tools used during the training stage by the German trainee, by the intermediary partner and by the accompanying teacher are:

- a) the observation of the performed activity – observation sheets
- b) progress interviews with the participant, regarding the activity they performed during the stage and the knowledge they acquired
- c) 3 individual practical tests accomplished by the participant
 - diagnostic of the injection system for Diesel engines
 - examination of the components for EPS safety system
 - diagnostic the combustion and pollutant emissions using an electronic tester
- d) individual assessment questionnaires referring to the activity they performed weekly

Final assessment achieved through:

- practical test: performing the procedure for testing the brake system
- oral test: description of servo-assisted steering operating trouble

Validation of the achieved learning results is assured for each participant by the Europass mobility certificate.

The acquired social and behaviour competences, the main activities performed and the outcome of the professional progress will be included in the certificates of stage attendance that is to be issued by the intermediary partner Wisamar.

III. COMMITMENT OF THE THREE PARTIES

By signing this document, the participant, the sending institution and the receiving organization (the intermediary organization, if necessary) confirm that they will abide by the principles of the Quality Commitment for Leonardo da Vinci training placements attached below.

**please add a box below for the signature of the intermediary organisation – if applicable*

THE PARTICIPANT

Participant's signature

.....

Date:25.01.2010



Lifelong Learning Programme

<p>BENEFICIARY : School Cluster “George Bibescu” Craiova</p> <p>We confirm that this proposed training programme agreement is approved.</p> <p>On completion of the training programme the institution will issue a Europass Mobility to the participant</p> <p>Coordinator’s signature</p> <p>Date: Name and signature of the legal representative of the beneficiaryData.25.01.2010</p>	<p>THE SENDING INSTITUTION (to be completed in case the beneficiary is different from the sending organisation)</p> <p>We confirm that this proposed training programme agreement is approved.</p> <p>On completion of the training programme the institution will issue a Europass Mobility to the participant</p> <p>Coordinator’s signature..... Data</p>
--	---

<p>THE RECEIVING ORGANISATION : ZAW Zentrum fur Aus- und Weiterbildung Leipzig GmbH</p> <p>We confirm that this proposed training programme is approved.</p> <p>On completion of the training programme the organisation will issue a Europass Mobility Certificate to the participant.</p> <p>Coordinator’s signature..... Date: .08.02.2010</p>
--

<p>THE INTERMEDIARY ORGANISATION : Wisamar Bildungsgesellschaft mbH i.Gr.</p> <p>We confirm that this proposed training programme is approved.</p> <p>On completion of the training programme the organisation will issue a Europass Mobility Certificate to the participant.</p> <p>Coordinator’s signature..... Date: 08.02.2010</p>



Lifelong Learning Programme

LEONARDO DA VINCI MOBILITY

QUALITY COMMITMENT TRAINING PLACEMENTS

THE SENDING ORGANISATION UNDERTAKES TO:

Define	<i>placement objectives</i> in terms of the skills and competencies to be developed.
Choose	the appropriate target country, host organisation, project duration and placement content to achieve these objectives.
Select	participants on the basis of clearly defined and transparent criteria.
Prepare	participants in collaboration with partner organisations for the practical, professional and cultural life of the host country , in particular through language training tailored to meet their occupational needs.
Establish	a contract including a training agreement whose contents are transparent for all parties involved.
Manage	transport, accommodation, visa/work permit arrangements and social security cover and insurance.
Evaluate	with each participant the personal and professional development achieved through participation in the Leonardo programme.

THE INTERMEDIARY ORGANISATION (WHERE APPROPRIATE) UNDERTAKES TO:

Select	suitable host organisations and ensure that they are able to achieve the placement objectives.
Provide	contact details of all parties involved and ensure that final arrangements are in place prior to participants' departure from their home country.

THE SENDING AND HOST ORGANISATIONS JOINTLY UNDERTAKE TO:

Negotiate	a tailor-made training programme for each participant (if possible during preparatory visits).
Agree	monitoring and mentoring arrangements.
Implement	agreed validation procedures to ensure recognition of skills and competencies acquired.
Establish	appropriate communication channels for all parties including participants.
Evaluate	the progress of the project on an on-going basis and take appropriate action if required.

THE HOST ORGANISATION UNDERTAKES TO:

Foster	understanding of the culture and mentality of the host country.
---------------	---



Education and Culture DG

Lifelong Learning Programme

- Assign** *to participants **tasks and responsibilities** to match their knowledge, skills, competencies and training objectives and ensure that appropriate equipment and support is available.*
- Identify** *a **tutor** to monitor the participant's training progress.*
- Provide** ***practical support** if required.*
- Check** *appropriate **insurance** cover for each participant.*

THE PARTICIPANT UNDERTAKES TO:

- Comply** *with all arrangements negotiated for his/her placement and to **do his/her best to make the placement a success.***
- Abide** *by the **rules and regulations of the host organisation**, its normal working hours, code of conduct and rules of confidentiality.*
- Communicate** *with promoter/sending organisation about **any problem or changes** regarding the placement.*
- Submit** *a **report** in the specified format, together with requested supporting documentation in respect of costs, at the end of the placement .*