



香港學術及職業資歷評審局
Hong Kong Council for Accreditation of
Academic & Vocational Qualifications

SUMMARY ACCREDITATION REPORT

MTR ACADEMY (HK) COMPANY LIMITED

LEARNING PROGRAMME RE-ACCREDITATION

**ADVANCED DIPLOMA IN RAILWAY ENGINEERING
ADVANCED DIPLOMA IN TRANSPORT OPERATIONS
AND MANAGEMENT
DIPLOMA IN TRANSPORT STUDIES**

DECEMBER 2020

1. TERMS OF REFERENCE

1.1 Based on the Service Agreement (No.: VA1100), the Hong Kong Council for Accreditation of Academic and Vocational Qualifications (HKCAAVQ), in the capacity of the Accreditation Authority as provided for under the Accreditation of Academic and Vocational Qualifications Ordinance (Cap 592) (AAVQO), was commissioned by MTR Academy (HK) Company Limited (“Operator”) to conduct a Learning Programme Re-accreditation (re-LPA) Exercise with the following Terms of Reference:

- 1) To conduct an accreditation test as provided for in AAVQO to determine whether the programmes of the MTR Academy (HK) Company Limited (the Operator) meet the stated objectives and Hong Kong Qualifications Framework (HKQF, or in short QF) Level 3 and 4 standards and can continue to be offered as accredited programmes:
 - (i) Advanced Diploma in Railway Engineering;
 - (ii) Advanced Diploma in Transport Operations and Management;
 - (iii) Diploma in Transport Studies; and
- 2) To issue to the Operator accreditation report(s) setting out the results of the determination in relation to (a) by HKCAAVQ.

1.2 The accreditation exercise was conducted according to the relevant accreditation guidelines referred to in the Service Agreement.

2. HKCAAVQ’S DETERMINATION

Learning Programme Re-accreditation

Advanced Diploma in Railway Engineering

2.1 HKCAAVQ has determined that the Advanced Diploma in Railway Engineering meets the stated objectives and QF standard at Level 4, and can be offered as an accredited programme with a validity period from 1 January 2022 to 31 August 2025.

2.2 Validity Period

2.2.1 The validity period will commence on the date specified below.

2.3 The determinations on the Learning Programme Re-accreditation are specified as follows:

Name of Operator(s)	MTR Academy (HK) Company Limited 港鐵學院（香港）有限公司
Name of Award Granting Body	MTR Academy (HK) Company Limited 港鐵學院（香港）有限公司
Title of Learning Programme	Advanced Diploma in Railway Engineering 鐵路工程高等文憑
Title of Qualification(s) (Exit Award(s))	Advanced Diploma in Railway Engineering 鐵路工程高等文憑
Primary Area of Study and Training	Engineering and Technology
Sub-area (Primary Area of Study and Training)	Electrical, Electronic and Mechanical Engineering and Services
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Industry	Not applicable
Branch	Not applicable
QF Level	Level 4
QF Credits	129
Mode(s) of Delivery and Programme Length	Part-time, 2 years 1290 notional learning hours (including 618 contact hours)
Intermediate Exit Award(s)	Not applicable
Validity Period	1 January 2022 to 31 August 2025
Number of Enrolment(s)	Not applicable
Maximum Number of New Students	Maximum of 80 learners per year Maximum of 40 learners per class
Specification of Competency Standards-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Specification of Generic	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

(Foundation) Competencies-based Programme	
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	<p>(1) This programme includes Industrial Attachment for 6 QF credits to be conducted in 6 weeks. 此課程包括六星期的實習，佔 6 資歷學分。</p> <p>(2) This programme includes 4 Streams, namely Permanent Way, Power Distribution, Rolling Stock and Signalling. 此課程包括四個主修項目，項目名稱為軌道、配電、鐵道車輛及信號。</p>
Address of Teaching/ Training Venue(s)	<p>(1) 1/F, MTR Hung Hom Building, 8 Cheong Wan Road, Hung Hom, Kowloon, Hong Kong 香港九龍紅磡暢運道 8 號港鐵紅磡大樓 1 樓</p> <p>(2) 43/F, Manhattan Place, 23 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong 香港九龍九龍灣宏泰道 23 號 Manhattan Place 43 樓</p> <p>(3) 9/F, Citylink Plaza, No. 1 Shatin Station Circuit, Shatin, N.T., Hong Kong 香港新界沙田車站圍 1 號連城廣場 9 樓</p> <p>(4) MTR Kowloon Bay Depot, Tai Yip Street, Kowloon Bay, Kowloon, Hong Kong 香港九龍九龍灣大業街港鐵九龍灣車廠</p>

Learning Programme Re-accreditation

Advanced Diploma in Transport Operations and Management

2.4 HKCAAVQ has determined that the Advanced Diploma in Transport Operations and Management meets the stated objectives and QF standard at Level 4, and can be offered as an accredited programme with a validity period from 1 September 2021 to 31 August 2025.

2.5 Validity Period

2.5.1 The validity period will commence on the date specified below.

2.6 The determinations on the Learning Programme Re-accreditation are specified as follows:

Name of Operator(s)	MTR Academy (HK) Company Limited 港鐵學院（香港）有限公司
Name of Award Granting Body	MTR Academy (HK) Company Limited 港鐵學院（香港）有限公司
Title of Learning Programme	Advanced Diploma in Transport Operations and Management 運輸營運及管理高等文憑
Title of Qualification(s) (Exit Award(s))	Advanced Diploma in Transport Operations and Management 運輸營運及管理高等文憑
Primary Area of Study and Training	Business and Management
Sub-area (Primary Area of Study and Training)	Transports and Logistics
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Industry	Not applicable
Branch	Not applicable
QF Level	Level 4
QF Credits	108
Mode(s) of Delivery and Programme Length	Full-time, 1 year Part-time, 2 years 1080 notional learning hours (including 498 contact hours)
Intermediate Exit Award(s)	Not applicable
Validity Period	1 September 2021 to 31 August 2025
Number of Enrolment(s)	Not applicable
Maximum Number of New Students	Maximum of 132 learners per year Maximum of 66 learners per class
Specification of	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Competency Standards-based Programme	
Specification of Generic (Foundation) Competencies-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	Not applicable
Address of Teaching/ Training Venue(s)	<p>(1) 1/F, MTR Hung Hom Building, 8 Cheong Wan Road, Hung Hom, Kowloon, Hong Kong 香港九龍紅磡暢運道 8 號港鐵紅磡大樓 1 樓</p> <p>(2) 43/F, Manhattan Place, 23 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong 香港九龍九龍灣宏泰道 23 號 Manhattan Place 43 樓</p> <p>(3) 9/F, Citylink Plaza, No. 1 Shatin Station Circuit, Shatin, N.T., Hong Kong 香港新界沙田車站圍 1 號連城廣場 9 樓</p> <p>(4) MTR Kowloon Bay Depot, Tai Yip Street, Kowloon Bay, Kowloon, Hong Kong 香港九龍九龍灣大業街港鐵九龍灣車廠</p>

Learning Programme Re-accreditation

Diploma in Transport Studies

2.7 HKCAAVQ has determined that the Diploma in Transport Studies meets the stated objectives and QF standard at Level 3, and can be offered as an accredited programme with a validity period from 1 January 2022 to 31 August 2025.

2.8 Validity Period

2.8.1 The validity period will commence on the date specified below.

2.9 The determinations on the Learning Programme Re-accreditation are specified as follows:

Name of Operator(s)	MTR Academy (HK) Company Limited 港鐵學院（香港）有限公司
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Name of Award Granting Body	MTR Academy (HK) Company Limited 港鐵學院（香港）有限公司	
Title of Learning Programme	Diploma in Transport Studies 運輸學文憑	
Title of Qualification(s) (Exit Award(s))	Diploma in Transport Studies (Operations and Management) 運輸學文憑（營運和管理）	Diploma in Transport Studies (Engineering) 運輸學文憑（工程）
Primary Area of Study and Training	Business Management	Engineering and Technology
Sub-area (Primary Area of Study and Training)	Transports and Logistics	Electrical, Electronic and Mechanical Engineering and Services
Other Area of Study and Training	Not applicable	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable	Not applicable
Industry	Not applicable	
Branch	Not applicable	
QF Level	Level 3	
QF Credits	75	75
Mode(s) of Delivery and Programme Length	Full-time, 8 months Part-time, 12 months 750 notional learning hours (including 330 contact hours)	Full-time, 8 months Part-time, 12 months 750 notional learning hours (including 336 contact hours)
Intermediate Exit Award(s)	Not applicable	
Validity Period	1 January 2022 to 31 August 2025	
Number of Enrolment(s)	Not applicable	
Maximum Number of New Students	Maximum 80 learners per year Maximum 40 learners per class	
Specification of Competency Standards-based Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Specification of Generic	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

(Foundation) Competencies-based Programme	
Vocational Qualifications Pathway Programme	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes to be indicated on the QR	Not applicable
Address of Teaching/ Training Venue(s)	<p>(1) 1/F, MTR Hung Hom Building, 8 Cheong Wan Road, Hung Hom, Kowloon, Hong Kong 香港九龍紅磡暢運道 8 號港鐵紅磡大樓 1 樓</p> <p>(2) 43/F, Manhattan Place, 23 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong 香港九龍九龍灣宏泰道 23 號 Manhattan Place 43 樓</p> <p>(3) 9/F, Citylink Plaza, No. 1 Shatin Station Circuit, Shatin, N.T., Hong Kong 香港新界沙田車站圍 1 號連城廣場 9 樓</p> <p>(4) MTR Kowloon Bay Depot, Tai Yip Street, Kowloon Bay, Kowloon, Hong Kong 香港九龍九龍灣大業街港鐵九龍灣車廠</p>

2.10 Recommendation(s)

HKCAAVQ offers the following recommendation(s) for continuous improvement.

Recommendation(s)
<p><u>All programmes</u></p> <p><u>Recommendation 1</u></p> <p>The Operator should consider using the criterion-referencing design for the assessment tasks and when moderation of the mark-grade conversion is necessary as part of the quality assurance mechanism, clear guidelines should be provided for relevant staff and committee members.</p>

- 2.11 HKCAAVQ will subsequently satisfy itself whether the Operator remains competent to achieve the relevant objectives and the Programme continues to meet the standard to achieve the relevant objectives as claimed by the Operator by reference to, amongst other things, the Operator's fulfilment of any conditions and compliance with any restrictions stipulated in this Accreditation Report. For the avoidance of doubt, maintenance of accreditation status is subject to fulfilment of any condition and compliance with any restriction stipulated in this Accreditation Report.

3. INTRODUCTION

3.1 MTR Academy (HK) Company Limited is a fully-owned subsidiary of the MTR Corporation Limited (MTRCL). It serves as a platform to retain and transfer the relevant knowledge and experience of MTRCL on railway operation, as well as an education and training hub for the transport sector at large. It plans to provide transport-related accredited programmes and professional courses to people in Hong Kong and overseas.

3.2 In consideration of the Operator's track record from previous accreditation exercises, this accreditation exercise was conducted in a form of paper-based review in accordance with HKCAAVQ's Differentiation Approach to accreditation.

4. PROGRAMME DETAILS

The following is the programme information provided by the Operator.

4.1 Programme Objectives

Advanced Diploma in Railway Engineering (ADREG)

The programme aims to:

- equip students with broad understanding of design, operations and maintenance in railway engineering systems with the combination of technological knowledge and industry know-hows;
- provide the fundamental knowledge base on railway engineering and thus nurture motivated talents for the railway related industries.

Advanced Diploma in Transport Operations and Management (ADTOM)

The programme aims to:

- equip students with professional knowledge and skills in transport operations and management;
- nurture operations staff and professionals in transport industry in order to support the rapid development of transport industry in Hong Kong; and
- cultivate students to pursue further studies of higher level in relevant field.

Diploma in Transport Studies (DIPTS)

The programme aims to:

- equip students to a broad understanding of the operations and technical activities in transport systems from the perspectives of management and engineering;
- provide fundamental knowledge base on transport operations and engineering and nurture talents for transport industry; and
- facilitate an academic qualification pathway for worker in transport sector.

4.2 Programme Intended Learning Outcomes

Advanced Diploma in Railway Engineering (ADREG)

Upon completion of the Programme, students should be able to:

- PILO-1: Demonstrate basic understanding of the key railway engineering systems.
- PILO-2: Describe and apply statutory regulations on safety practices for railway industry and international standards on process assurance and service quality for railway engineering.
- PILO-3: Apply the engineering and mathematics principles for real-life railway applications.
- PILO-4: Demonstrate industrial workplace skills and the understanding of practices in operation and maintenance.
- PILO-5: Develop plans on system and process management in railway industry.
- PILO-6: Apply engineering and mathematics principles in analysis and problem-solving for design, operation and maintenance in selected railway engineering system.

Advanced Diploma in Transport Operations and Management (ADTOM)

Upon completion of the Programme, students should be able to:

- PILO-1: Describe and illustrate the business environment of transport industry.
- PILO-2: Identify parties and statutory bodies involved in transport industry.
- PILO-3: Analyse common operation and management practices of various transport systems in an integrated perspective.
- PILO-4: Examine relevant factors and stakeholders in transport policy formation and implementation process, and conduct implementation planning accordingly.
- PILO-5: Define the development and criteria of a sustainable transport system.
- PILO-6: Apply knowledge and skills in safety, customer services, management, marketing and financial perspective to transport operations and management.

Diploma in Transport Studies (DIPTS)

Upon completion of the Programme, students should be able to:

Engineering Stream

- PILO-1: Describe the characteristics of various transport modes and apply basic techniques in system analysis and modelling.
- PILO-2: Demonstrate basic understanding of general purposes, functions, structure, operation, and business environment of the transport system.
- PILO-3: Communicate effectively in a workplace environment.
- PILO-4: Describe and apply statutory regulations on safety practices for transport industry and international standards on process assurance and service quality.
- PILO-5: Understand the engineering and mathematics principles for the applications in transport systems.
- PILO-6: Apply fundamental engineering principles in analysis and problem-solving for practical problems.

Operations and Management Stream

- PILO-1: Describe the characteristics of various transport modes and apply basic tools in system analysis and modelling.
- PILO-2: Demonstrate basic understanding of general purposes, functions, structure, operation, and business environment of the transport system.
- PILO-3: Communicate effectively in a workplace environment.
- PILO-4: Apply knowledge and skills in safety and quality practices to transport operations and management.
- PILO-5: Describe the development and challenges in terms of operations, marketing and services in various transport modes.
- PILO-6: Analyse management and operational practices in a transport system and evaluate the impacts to society.

4.3 Programme Structure

Advanced Diploma in Railway Engineering (ADREG)

Subject	QF Credits	
<i>Common core subjects</i>		
Railway Technology and Management		
Safety and Quality in Transport Engineering Systems		
Fundamentals of Electricity and Electronics I		
Fundamentals of Electricity and Electronics II		
Engineering Mathematics I		
Engineering Mathematics II		
Basic Mechanical Principles and Theory I		
Basic Mechanical Principles and Theory II		
Productivity and People Management		
Integrated Skills Practice		
<i>Stream specific subjects #</i>		
System Analysis		
Design Principles		
Maintenance		
Industrial Attachment		
Any one subject from other streams		
Total	129	
<i>Non-credit-bearing subjects ^</i>		
Safety Training for Railway Workplaces I		
Safety Training for Railway Workplaces II		

The four streams are Permanent Way, Power Distribution, Rolling Stock and Signalling. Each stream consists of four subjects, namely System Analysis, Design Principles, Maintenance, and Industrial Attachment. Students are required to complete all the four subjects in their selected stream and one elective subject (except Industrial Attachment) from one of the three other streams.

^ The two subjects are non-credit bearing and not included in the graduation requirements. They are available to support students in attaining the statutory safety requirement for railway workplace training. Learning hours are not counted in the total learning hours of the programme.

Advanced Diploma in Transport Operations and Management (ADTOM)

Subject	QF Credits
Safety and Quality Practices	
Transport Customer Service	
Management and Supervision in Transport	
Business Environment for Transport and Logistics	
Financial Management & Reporting for Transport and Logistics	
Marketing and Service Management	
Sustainability in Transport System	
Transport Planning and Policy	
Transport Systems for Railway and Road	
Transport Systems for Air and Maritime	
Integrated Transport System	
Transport Project	
Total	

Diploma in Transport Studies (DIPTS)

Subject	QF Credits	
<i>Common core subjects</i>		
Railway Technology and Management		
Business Environment for Transport and Logistics		
Transport System Analysis		
Workplace Communication Skills in English		
<i>Stream specific subjects</i>		
Engineering	Safety and Quality in Transport Engineering Systems	
	Basic Mechanical Principles and Theory I	
	Engineering Mathematics I	
	Fundamentals in Electricity and Electronics I	
Total for DIPTS (Engineering)		75
Operations and Management	Safety and Quality Practices	
	Transport Systems for Railway and Road	
	Transport Systems for Air and Maritime	
	Marketing and Service Management	
Total for DIPTS (Operations and Management)		75

4.4 Graduation Requirements

Advanced Diploma in Railway Engineering (ADREG)

1. Obtain at least 129 credits; and
2. With an Accumulated Grade Point Average (AGPA) of at least 2.0.

Advanced Diploma in Transport Operations and Management (ADTOM)

1. Obtain at least 108 credits; and
2. With an Accumulated Grade Point Average (AGPA) of at least 2.0.

Diploma in Transport Studies (DIPTS)

1. Obtain at least 75 credits; and
2. With an Accumulated Grade Point Average (AGPA) of at least 2.0.

4.5 Admission Requirements

Advanced Diploma in Railway Engineering (ADREG)

Applicants shall have 1 year of working experience, preferably in any engineering disciplines; AND

1. have attained Grade E/ Level 2 or above in five subjects including English Language (Syllabus B), Chinese Language and Mathematics in HKCEE or equivalent; OR
2. have attained Level 2 or above in five subjects including English Language, Chinese Language and Mathematics in HKDSE or equivalent; OR
3. hold a Recognition of Prior Learning qualification in Electrical & Mechanical Services industry at QF Level 3 or above; OR
4. hold a certificate/ diploma at QF Level 3 or above from a recognized institution, e.g. Diploma Yi Jin.

Applicants under conditions 3 and 4 above shall be required to pass a Mathematics and English test.

Mature applicants will be considered on individual merit.

Applicants may be invited to attend interview.

Advanced Diploma in Transport Operations and Management (ADTOM)

Applicants shall:

1. have attained Grade E/ Level 2 or above in five subjects including English Language (Syllabus B), Chinese Language and Mathematics in HKCEE or equivalent; OR
2. have attained Level 2 or above in five subjects including English Language, Chinese Language and Mathematics in HKDSE or equivalent; OR
3. hold a Recognition of Prior Learning qualification in Electrical & Mechanical Services industry at QF Level 3 or above; OR
4. hold a certificate/ diploma at QF Level 3 or above from a recognized institution, e.g. Diploma Yi Jin.

Applicants under conditions 3 and 4 above shall be required to pass an English test.

Mature applicants will be considered on individual merit.

Applicants may be invited to attend interview.

Diploma in Transport Studies (DIPTS)

Diploma in Transport Studies (Engineering)

Applicants shall:

1. have completed Form 5 and attained Grade E/ Level 2 or above in Mathematics in HKCEE or equivalent; OR
2. have completed Secondary 6 and attained Level 2 or above in Core Mathematics in HKDSE or equivalent; OR
3. hold a Recognition of Prior Learning (RPL) qualification in Electrical & Mechanical Services industry at QF Level 2 or above; OR
4. hold a certificate/ diploma at QF Level 2 or above from a recognized institution.

Mature applicants who do not possess the above academic qualifications but are aged 21 or above with 3 years of working experience in engineering disciplines will be considered on individual merit.

Mature applicants and applicants considered under conditions 3 and 4 above shall sit in and are required to pass a Mathematics test.

Diploma in Transport Studies (Operations and Management)

Applicants shall:

1. have completed Form 5 and attained Grade E/ Level 2 or above in English Language (Syllabus B) in HKCEE or equivalent; OR
2. have completed Secondary 6 and attained Level 2 or above in English Language in HKDSE or equivalent; OR
3. hold a Recognition of Prior Learning (RPL) qualification in Logistics industry at QF Level 2 or above; OR
4. hold a certificate/ diploma at QF Level 2 or above from a recognized institution.

Mature applicants who do not possess the above academic qualifications but are aged 21 or above with 3 years of working experience in logistics or transport industry will be considered on individual merit.

Mature applicants and applicants considered under conditions 3 and 4 above shall sit in and are required to pass an English test.

5. IMPORTANT INFORMATION REGARDING THIS ACCREDITATION REPORT

5.1 Variation and withdrawal of this Accreditation Report

- 5.1.1 This Accreditation Report is issued pursuant to section 5 of the AAVQO, and contains HKCAAVQ's substantive determination regarding the accreditation, including the validity period as well as any conditions and restrictions subject to which the determination is to have effect.
- 5.1.2 HKCAAVQ may subsequently decide to vary or withdraw this Accreditation Report if it is satisfied that any of the grounds set out in section 5 (2) of the AAVQO apply. This includes where HKCAAVQ is satisfied that the Operator is no longer competent to achieve the relevant objectives and/or the Programme no longer

meets the standard to achieve the relevant objectives as claimed by the Operator (whether by reference to the Operator's failure to fulfil any conditions and/or comply with any restrictions stipulated in this Accreditation Report or otherwise) or where at any time during the validity period there has/have been substantial change(s) introduced by the Operator after HKCAAVQ has issued the accreditation report(s) to the Operator and which has/have not been approved by HKCAAVQ. Please refer to the '*Guidance Notes on Substantial Change to Accreditation Status*' in seeking approval for proposed changes. These Guidance Notes can be downloaded from the HKCAAVQ website.

5.1.3 If HKCAAVQ decides to vary or withdraw this Accreditation Report, it will give the Operator notice of such variation or withdrawal pursuant to section 5(4) of the AAVQO.

5.1.4 The accreditation status of the Operator and/or Programme will lapse immediately upon the expiry of the validity period or upon the issuance of a notice of withdrawal of this Accreditation Report.

5.2 Appeals

5.2.1 If the Operator is aggrieved by the determination made in this Accreditation Report, then pursuant to Part 3 of the AAVQO the Operator has a right of appeal to the Appeal Board. Any appeal must be lodged within 30 days of the receipt of this Accreditation Report.

5.2.2 If the Operator is aggrieved by a decision to vary or withdraw this Accreditation Report, then pursuant to Part 3 of the AAVQO the Operator has a right of appeal to the Appeal Board. Any appeal must be lodged within 30 days of the receipt of the Notice of Variation or Withdrawal.

5.2.3 The Operator should be aware that a notice of variation or withdrawal of this Accreditation Report is not itself an accreditation report and the right to appeal against HKCAAVQ's substantive determination regarding accreditation arises only from this Accreditation Report.

5.2.4 Please refer to Cap 592A (www.elegislation.gov.hk) for the appeal rules. Details of the appeal procedure are contained in section 13 of the AAVQO and can be accessed from the QF website at: www.hkqf.gov.hk.

5.3 Qualifications Register

5.3.1 Qualifications accredited by HKCAAVQ are eligible for entry into the QR at www.hkqr.gov.hk for recognition under the QF. The Operator should apply separately to have their quality-assured qualifications entered into the QR.

5.3.2 Only learners who commence the study of the named accredited learning programme during the validity period and who have graduated with the named qualification listed in the QR will be considered to have acquired a qualification recognised under the QF.

Ref: VA230/02/03a, VA230/02/04a, VA230/02/05a

