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ቀን: 27-1-2023
Date

Secretary-General
China-Africa Vocational Education Alliance
Shandong,
CHINA

RE: INVITATION FOR REVIEWING AND DEVELOPING OCCUPATIONAL STANDARDS AND PROGRAM DELIVERY STANDARDS TO SUPPORT TVT DEVELOPMENT IN ETHIOPIA

With a large youth population in the country, the federal government of Ethiopia has been working hard to provide education and training of high quality that can promote human resource development for economic growth and social justice. Among all levels of education, Technical and Vocational Training (TVT) is always regarded as the key step to link young people with the demand of the economy while providing them with lifelong skills and employment opportunities.

The Ministry of Labor and Skills (MoLS) has achieved remarkable outcomes in TVT development, including establishing the Ethiopia National Qualifications Framework (ENQF) and increasing the number and quality of TVT institutions, staff, and students that all supported the country to become one of the most rapidly growing countries in Africa. Nonetheless, the country still faces challenges, including slow economic growth, increasing youth unemployment rate, and most employed population staying in the agriculture sector.

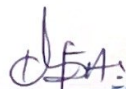
Based on past experience and current challenges, The Ethiopian Ten Years Perspective Development Plan (2021 – 2030) makes the development of human capital one of the key enabling sectors for the future prosperity of the country. Hence, the ministry hopes to review, reform, and develop new strategies for TVT sector to achieve this goal.

In the Ethiopian National TVT Strategy, the Ethiopia Occupational Standards (EOS) is the core element and an important factor within the context of the National TVT-Qualification Framework (NTQF). They are national Ethiopian standards, which define the occupational requirements and expected outcomes related to a specific occupation according to the demand of the industry. In the past decade, there are around 400 EOS developed in total, for which we hope to review and refine them to catch the new development in the industry and meet contemporary international standards.

We have learned that TVT in China has benefited from a persistent high-quality standard setting, and China-Africa Vocational Education Alliance (hereafter “the Alliance”) has a rich network of a broad number of experts and flagship TVT institutions in China that have been involved in the standard-setting work domestically and internationally, especially in East African context. Therefore, we kindly request your office to support the review of the current EOS and the development of a new EOS.



Please quote our reference number in your reply.
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State Minister

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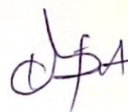
Also, based on lessons learned in recent years, we understand that it is crucial for TVT institutions to deliver programs that match the requirements of EOS. According to China's experience, we find that the Program Delivery Standards (PDS) formulated according to Occupational standards can largely guide to preparation of qualified curriculums while also providing a standardized document for the ministry to monitor the quality of delivery. Therefore, we kindly request your office to support the development of Program Delivery Standards in TVT of Ethiopia based on the list of EOS.

Specifically, we hope the work can start from key sectors in Regional Flagship TVT Institutes in Ethiopia, which are specifically Textile and Garment, Leather, Mechanical and Tool Making, Automotive, Railway, Energy, Agro Processing, and the national five priority sectors: Agriculture, Manufacturing, Tourism, Mining, and ICT. The proposed list for EOS and PDS to be reviewed and developed is displayed in Annex I. The ministry warmly invites you to refine the proposed list based on the capacity of your office, especially proposing new occupations benefiting the development of Ethiopia. At a later stage, we shall finalize the list upon mutual agreement.

The ministry is looking forward to cooperating with your office on the above numerous projects to enhance the development of TVT in Ethiopia to meet the goal of The Ethiopia Ten Years Perspective Development Plan (2021 – 2030) and support a prosperous Ethiopia.

Looking forward to your continued cooperation.

Yours Sincerely,


Feshale Berecha Yadessa (PhD)
Technical and Vocational Affairs
State Minister



C.C.

- Embassy of the People's Republic of China to the Federal Democratic Republic of Ethiopia
- Embassy of the Federal Democratic Republic of Ethiopia to the People's Republic of China
- Foreign Affairs Office of Shandong Provincial People's Government, the People's Republic of China
- CIIC International Education Technology (Beijing) Co., Ltd
- China-Africa (Chongqing) Vocational Education Alliance
- Belt and Road Alliance for Industry and Education Collaboration
- Chinese Testing, Inspection and Certification Education Association
- Sunmaker Training Institute

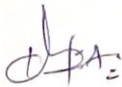
Annex I: The Proposed Areas of occupational standards and program delivery standards to be reviewed and developed

Please note that this list shall be revised and finalized upon mutual agreement.

According to these areas, a detailed list of OS and other technical documents to be reviewed and developed can be proposed and finalized upon mutual discussion and agreement.

(1) Agriculture

Sector	Occupation	Level
Animal Health	Basic Animal Health Care	I
	General Animal Health Care	II
	Intermediate Animal Health Service	III
	Advanced Animal Health Service	IV
	Animal Origin Food Hygiene Service	V
	Veterinary Laboratory Service	V
Animal Production	Basic Agricultural Operation and Natural Resources Conservation	I
	Intermediate Animal Production	II
	Artificial Insemination Technology Services	III
	Beef Production	III
	Beekeeping	III
	Camal Production	III
	Dairy Production	III
	Equine Production	III
	Fish Production	III
	Other Aquatic Products Production	III
	Poultry Production	III
	Sheep and Goat Production	III
	Sericulture Development	III
	Swine Production	III
	Animal Production and Marketing Management	IV
	Advanced Animal Production and Management	V
Crop Production	Basic Agricultural Operation and Natural Resources Conservation	I
	Crops Production and Marketing Management	IV
	Field Crops Production	II, III
	Horticultural Crops Production	II, III
	Stimulants and Spices Production	II, III
	Herbal Medicine Production	II, III
	Crops Production and Marketing Management	IV



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	Advanced Crops Production and Marketing Management	V
Fertilizer Production	Basic Fertilizer Production	III
	Intermediate Fertilizer Production	III
	Fertilizer Production	III
	Fertilizer Production Supervision	IV
	Fertilizer Production Management	V

(2) Agro-Processing

Sub Sector	Occupation	Level
Bamboo and Bamboo Products	Bamboo Harvesting and Post-Harvest Works	I
	Bamboo Derivatives Production	II, III
	Bamboo Furniture Making	II, III
	Bamboo Industrial Processing	II, III
	Bamboo Processing Supervision	IV
	Bamboo Processing and Marketing Management	V
Sugar and Sugar Products	Basic Sugar Crops Production	I
	Sugar and Ethanol Production	I, II, III
	Sugar Crops Production	II, III
	Sugar Crops Production Supervision	IV
	Sugar and Ethanol Production Supervision	IV
	Sugar and Ethanol Production Management	V
	Advanced Sugar Crops Production Management	V
Tea Production and Processing	Basic Tea Production and Processing Operation	I
	Intermediate Tea Production and Processing Operation	II
	Tea Production and Processing Operation	III
	Tea Production and Processing Supervision	IV
	Tea Production and Processing Management	V
Brewing	Basic Brewing Operation	I
	Intermediate Brewing Operation	II
	Brewing Operation	III
	Brewing Supervision	IV
	Brewing Management	V

(3) Textile, Leather and Garment

Sub Sector	Occupations	Level
Leather Garments and Goods Production	Basic Leather Garments and Goods Production Operations	I
	Leather Garments Production	II
	Leather Goods Production	II
	Leather Processing Equipment Operation	II
	Advanced Leather Garments Production	III

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	Advanced Leather Goods Production	III
	Leather Processing Technical Operation	III
	Leather Garments and Goods Production Supervision	IV
	Leather Processing Supervision	IV
Textile	Basic Textile Operations	I
	Spinning and Ginning Operations	II, III
	Textile Chemical Processing Operations	II, III
	Weaving and Knitting Operations	II, III
	Textile Technology and Production	IV
	Textile Technology and Production Management	V
Apparel	Basic Apparel Production	I
	Intermediate Apparel Production	II
	Advanced Apparel Production	III
	Apparel Fashion Designing and Technology Supervision	IV
	Apparel Production and Technology Management	V

(4) Mechanical and Tool Making

Mechanical and Tool Making	Basic Metal Works	I
	Foundry Works	II, III
	General Metal Fabrication and Assembly	II, III
	Machining	II, III
	Millwright	II, III
	Welding	II, III
	CNC Machine Operations	III
	Tool and Die Making	III
	Metal Engineering Production Management	IV
	Metal Engineering Technology Management	V

(5) Automotive

Automotive Engineering	Automotive Engine and Electrical/Electronics Servicing	I
	Automotive Painting and Body Repair	I
	Automotive Power Train and Underchassis Servicing	I
	Automotive Body Repair	II, III
	Automotive Electrical/Electronics Servicing	II, III
	Automotive Engine Servicing	II, III
	Automotive Power Train and Underchassis Servicing (LH)	II, III


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	Automotive Power Train and Underchassis (HD)	II, III
	Automotive Vehicle Painting	II, III
	Automotive Servicing Management	IV
	Automotive Technology Management	V
New-Energy Vehicle	Basic New-Energy Vehicle Operation	I
	Intermediate New-Energy Vehicle Operation	II
	New-Energy Vehicle Operation	III
	New-Energy Vehicle Operation Supervision	IV
	New-Energy Vehicle Operation Management	V

(6) Railway

Railway Locomotive Operation and Maintenance	Basic Railway Locomotive Operation and Maintenance	I
	Intermediate Railway Locomotive Operation and Maintenance	II
	Railway Locomotive Operation and Maintenance	II
	Railway Locomotive Operation and Maintenance Supervision	IV
	Railway Locomotive Operation and Maintenance Management	V
Railway Engineering	Basic Railway Electrical and Control Works	I
	Railway Control Works	II
	Rail Traction Works and Maintenance	II, III
	Rail Communication Work and Maintenance	III
	Railway Traction and Control Works Installation and Maintenance	III
	Rail Signaling Works and Maintenance	III
	Rail Track Works and Maintenance	IV
	Management	V

(7) Energy

Sub Sector	Occupations	Level
Power Generation, Operation, Transmission and Maintenance	Power Generation Operation and Maintenance Support	I
	Power Line Works Support	I
	Power Generation Operation and Maintenance Support	II
	Power Generation and System Installation and Maintenance - Mechanical	III
	Power Generation and System Installation and Maintenance	III, IV


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	Power Generation and System Installation and Maintenance – Electrical/Electronics	III, IV
	Power Generation Operation	III, IV
	Power Generation Installation and Maintenance – Mechanical	IV
	Power Generation and Substation Management	V
Hydro Power	Basic Hydro Power Operation	I
	Intermediate Hydro Power Operation	II
	Hydro Power Operation	III
	Hydro Power Operation Supervision	IV
	Hydro Power Operation Management	V
Solar Power	Basic Solar Power Operation	I
	Intermediate Solar Power Operation	II
	Solar Power Operation	III
	Solar Power Operation Supervision	IV
	Solar Power Operation Management	V

(8) Tourism

Sub Sector	Occupation	Level
Hotel Services and Culinary	Hotel Kitchen Operation	I, II
	Hotel Operation	I, II
	Confectionery, Baking and Pastry Making	III
	Ethiopian Cultural Food Preparation	III
	Food and Beverage Service	III, IV
	Foreign Dish Cooking	III
	Catering Operation	III
	Front Office Service	III, IV
	Housekeeping and Laundry Operations	III, IV
	Food Production Supervision	IV
	Catering Management	V
Tourism	Tourism Service	I, II
	Travel Agent Service	III
	Tour Guiding	III
	Tour Operation Supervision	IV
	Tourism Marketing	IV
	Tourism Management	V

(9) ICT

Sub Sector	Occupations	Level
IT Support	IT Support Service	I, II
Hardware and Network Servicing	Basic Hardware and Network Servicing	I, II
	Hardware and Network Servicing	III, IV
	Hardware and Networking Service Management	V


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Software Engineering	Basic Software Engineering	I, II
	Software Engineering	III, IV
	Software Engineering Management	V
Mobile Application Development	Basic Mobile Application Development	I, II
	Mobile Application Development	III, IV
	Mobile Application Development Management	V
Cyber Security	Basic Cyber Security Support	III, IV
	Cyber Security	III, IV
	Cyber Security Management	V
IT Management	IT Service Management	V
Artificial Intelligence	Artificial Intelligence Operation	III, IV
	Artificial Intelligence Management	V
Big Data	Big Data Operation	III, IV
	Big Data Management	V

(10) Mining

Metal Mining	Basic Metal Mining Operation	I
	Intermediate Metal Mining Operation	II
	Metal Mining Operations	II
	Metal Mining Supervision	IV
	Metal Mining Management	V
Coal Mining	Basic Coal Mining Operation	I
	Intermediate Coal Mining Operation	II
	Coal Mining Operations	II
	Coal Mining Supervision	IV
	Coal Mining Management	V



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