

中非职业教育联盟文件

中非职教函【2023】1号

关于开展第一批“埃塞俄比亚国家职业标准开发项目”立项建设单位遴选工作的通知

各有关单位：

为了健全和完善埃塞俄比亚国家相关行业职业标准和职业教育体系，埃塞俄比亚劳动与技能部（以下简称“埃塞劳工部”）委托中非职业教育联盟引进中国职业教育资源，协商一致决定实施“埃塞俄比亚国家职业标准开发项目”（以下简称“项目”）。项目针对埃塞俄比亚国家重点行业职业技能岗位，优选中国同等数量的职业标准，经本土化修订后，按照埃塞俄比亚国家相关流程注册认证，与配套专业教学标准一并纳入国家职业教育体系，指导埃塞俄比亚国家职业院校开展人才培养工作。经商定，决定面向全国职业院校开展立项建设单位遴选工作，现通知如下。

一、组织单位

（一）主办单位

中非职业教育联盟

（二）支持单位

中智科技集团有限公司

“一带一路”产教协同联盟

全国检验检测认证职业教育集团

（三）实施单位

中智国际教育科技有限公司

二、项目内容

中国职业院校根据自身专业优势，选择 1-3 个等级的职业标准，组建工作专班，结合埃塞俄比亚实际的行业发展情况，针对埃塞俄比亚现有的职业标准和专业教学标准材料进行修订和开发，形成符合中国标准，满足埃塞俄比亚需求的职业标准及配套专业教学标准，由埃塞劳工部审核认证并纳入埃塞俄比亚国家职业教育体系，在埃塞俄比亚国家职业院校推广使用，指导和规范其职业教育人才培养工作。

三、项目职业标准清单

第一批埃塞俄比亚国家职业标准拟开发名单见附件 1。

注：在附件 1 中第 1 至 121 是埃塞希望优先开展的重点职业岗位，院校可酌情优先申报这些职业岗位。

表 1 埃塞俄比亚职业教育体系（EtQF）

Levels	Sub-frame work for GE	Sub-frame work for TVET	Sub-frame work for HE
8		level VIII	Doctoral Degree
7		level VII	Masters Degree
6		level VI	Bachelor Degree
5		level V	
4	Level IV teaching certificate	level IV	
3	Level III teaching certificate	level III	
2		level II	
1	Secondary Education Leaving Certificate I(level I)		
Access 2	Middle-level education certificate		
Access 1	Primary school leaving certificate		
埃塞俄比亚国家学历等级（职业教育领域）： 1 级：类似于中职，融合在高中课程中，能够在他人监管下从事最基础的、辅			

Levels	Sub-frame work for GE	Sub-frame work for TVET	Sub-frame work for HE
<p>助性工作。</p> <p>2 级：高中毕业后加入，能够在他人监管下，从事辅助性或简单工作。</p> <p>3 级：能够独立从事一定难度的工作。</p> <p>4 级：能够从事监督工作。</p> <p>5 级：能够从事管理工作。</p> <p>6 级相当于本科，5 级毕业后可以选择进入 6 级。</p> <p>完成一个级别后，通过学校考核即可进入下一个级别学习。一个级别的学习时长根据这一级别的岗位要求决定，没有固定时间。入学标准为拥有前一级别的国家技能等级证书，学生可以选择在任意高级别毕业，毕业进入劳动市场时，需获得国家技能等级证书。</p>			

四、申报注意事项

1. 全国中等职业院校、高等职业院校可单独申报，研究机构、企业等可联合职业院校共同申报。

2. 为了将项目做精做实，更好地体现中国职业教育质量标准内涵，支持各单位联合申报，明确分工。

3. 申报结束后，联盟秘书处择机组织申报单位进行遴选答辩，原则上要求申报单位校级领导参与答辩。最终遴选出不同等级各标准的立项建设单位。

4. 各单位在申报时，可根据院校优势和实际情况，提出有意向输出的其他职业标准，联盟秘书处会和埃塞劳工部协商，适当增加个别职业标准。

五、各方分工

（一）埃塞劳工部

1. 针对每一个标准组建埃塞专家工作组，与中方院校对接；

2. 提供职业标准开发工作所需的行业发展报告等参考材料；

3. 按照规定流程注册经审核通过的中方院校职业标准

和专业教学标准为埃塞俄比亚国家标准，并出具埃塞俄比亚国家认证证书与感谢函。

（二）中国职业院校

1. 结合本校专业优势，向联盟秘书处提交申报材料，经专家组审核获批立项建设后，组建专项工作组；

2. 结合埃塞俄比亚国家实际需求，与埃方进行线上沟通，运用中国标准对埃方的职业标准和专业教学标准文件进行修订，并与埃方专家组共同完善相关文件；

3. 配合联盟秘书处和埃塞劳工部，完成标准的认证工作。

（三）联盟秘书处和中智国际教育科技（北京）有限公司

1. 组建项目中方专家工作组，负责遴选评审、过程性指导、专家培训、质量把控等工作；

2. 制定项目实施推进计划，联络、对接中方和埃方工作要求；

3. 提供会议组织、翻译、传译等服务；

4. 按照流程，配合埃方完成中方输出职业标准和专业教学标准的认证工作。

六、费用

项目费用主要包括会议活动组织、翻译（文本材料翻译和活动传译）、标准在埃塞俄比亚国家注册和认证、专家咨询审核、培训和项目管理等，实际费用根据每个中国职业院校申报的具体内容进行确定。

七、项目实施周期

2023 年 3 月至 2023 年 10 月

八、申报方式

（一）符合条件、有意愿的中国职业院校请在 2022 年 3 月 20 日前提交电子版申请表（格式：单位名称+申报职业等级）至 lihaoyang@brpetro.com，申请表见附件 3，每个单位可申报不同等级标准数量原则上不超过 3 个。

（二）如有任何疑问，请随时联系中非职业教育联盟秘书处，马老师 15908945081，李老师 13001670250。

附件 1：第一批“埃塞俄比亚国家职业标准开发项目”职业标准清单

附件 2：第一批“埃塞俄比亚国家职业标准开发项目”立项建设单位遴选申请表

附件 3：第一批“埃塞俄比亚国家职业标准开发项目”埃塞俄比亚劳动与技能部授权函



附件 1：第一批“埃塞俄比亚国家职业标准开发项目”职业标准清单

序号	职业岗位名称	等级
1	Agricultural Cooperative Service 农业合作社业务技术员	I-II
2	Cooperative Marketing 合作社市场营销技术员/工程师	III-V
3	Cooperative Accounting and Auditing 合作社会计与审计技术员/工程师	III-V
4	Cooperative Business Organization 合作社商业组织技术员/工程师	III-V
5	Agricultural Mechanization Equipment Operation 农业机械化设备操作技术员/工程师	I-V
6	Agricultural Mechanization Equipment Maintenance 农业机械化设备维护技术员/工程师	I-V
7	Animal Health 动物健康技术员/工程师	I-IV
8	Artificial Insemination 人工授精技术员	I-III
9	Beekeeping 养蜂技术员	I-II
10	Dairy production 乳制品生产技术员/工程师	II-IV
11	Poultry Production 家禽繁育技术员/工程师	II-IV
12	Animal Production 动物繁育技术员/工程师	II-IV
13	Crop production 农作物种植技术员/工程师	I-IV
14	Horticultural Crop Production 园艺作物种植技术员/工程师	II- IV
15	Natural Resources Conservation & Development 自然资源保护与开发技术员/工程师	I-IV
16	Irrigation 灌溉技术员/工程师	I-IV
17	Garments and Goods Production 服装与产品生产技术员/工程师	I-IV
18	Footwear Production 鞋类生产技术员/工程师	I-IV
19	Apparel Production 服装生产技术员	I-V
20	Basic Textile Operations	I

序号	职业岗位名称	等级
	基础纺织操作技术员	
21	Spinning and Ginning Operations 纺纱和轧花操作技术员	II-III
22	Textile Chemical Processing Operations 纺织化学加工业务技术员	II-III
23	Weaving and Knitting Operations 织造操作技术员	II-III
24	Textile Technology and Production 纺织技术与生产工程师	IV-V
25	Bogie and Body Production and Assembly 转向架和车身制造与组装技术员/工程师	I-V
26	Electrical/Electronics Assembly 火车电气/电子装配技术员/工程师	I-V
27	Train Painting 火车涂装技术员	I-III
28	Basic Metal Works 基础金属工作技术员	I
29	Foundry Works 铸造作业技术员/工程师	II-IV
30	Machining 机械加工技术员/工程师	II-IV
31	Mechanics 机械技术员/工程师	II-IV
32	Welding 焊接技术员/工程师	II-IV
33	Metal Manufacturing Management 金属制造管理工程师	V
34	Basic Agro Food Processing 农产品基础加工技术员	I
35	Cereal Processing 谷物加工技术员	II-III
36	Alcoholic and Non-alcoholic Beverage Processing 酒精和非酒精饮料加工技术员	II-III
37	Coffee and Tea Processing 咖啡和茶叶加工技术员	II-III
38	Bee Product Processing 蜂产品加工技术员	III
39	Spice and Herbs processing 香料和香草加工技术员	II-III
40	Fruits and Vegetables Processing 果蔬加工技术员	II-III
41	Edible Oil processing	II-III

序号	职业岗位名称	等级
	食用油加工技术员	
42	Dairy Product Processing 乳制品加工技术员	II-III
43	Agro-food Processing 农产品加工工程师	IV-V
44	Animal Feed Processing 动物饲料加工技术员/工程师	I-IV
45	Bamboo Harvesting and Post Harvest Works 竹子收获和收获后工作技术员	I
46	Bamboo Derivatives Production 竹制品生产技术员	II-III
47	Bamboo Furniture Making 竹家具制作技术员	II-III
48	Bamboo Industrial Processing 竹子工业加工技术员	II-III
49	Bamboo Processing 竹材加工工程师	IV-V
50	Rubber Tree Development 橡胶树开发技术员/工程师	I-V
51	Sugarcane Production 甘蔗生产技术员/工程师	I-V
52	Boiler and Steam Turbine Operation 煮糖锅炉和汽轮机操作技术员/工程师	I-IV
53	Ethanol Manufacturing and Effluent Treatment 乙醇生产和废水处理技术员/工程师	III-IV
54	Sugar and Ethanol Chemical Control 糖和乙醇化学控制技术员/工程师	I-V
55	Sugar and Ethanol Manufacturing 制糖和乙醇制造技术员/工程师	I-V
56	Basic Railway Civil and Track Works 铁路土建和轨道工程基础技术员	I-II
57	Railway Bridge Construction and Maintenance 铁路桥梁建设与维护技术员	III
58	Railway Tunnel Construction and Maintenance 铁路隧道建设与维护技术员	III
59	Sub-grade and Tracksides Civil Works and Maintenance 基层和轨旁土建工程及维护技术员	III
60	Railway Infrastructure Construction and Maintenance 铁路基础设施建设与维护工程师	IV-V
61	Railway track Installations & Maintenance	II-IV

序号	职业岗位名称	等级
	铁路轨道安装与维护技术员/工程师	
62	Railway Traction and Control Works 铁路牵引和控制工程技术人员/工程师	II-IV
63	Rail Communication Works and Maintenance 铁路通讯工程及维修技术员	III
64	Signaling Works and Maintenance 信号工程和维护技术员	III
65	Basic Railway Operation 铁路基础运营技术员	I
66	Rail Driving 铁路驾驶技术员/工程师	II-IV
67	Rail Traffic Operation 轨道交通运营技术员/工程师	II-IV
68	Rail Operation Management 铁路运营管理工程师	V
69	Basic Railway Passenger Service 铁路客运基础服务技术员	I
70	Railway Passenger Service (Coach) 铁路客运（车厢）服务技术员	II-III
71	Railway Passenger Service (Ticket/Reservation) 铁路旅客（票务/预订）服务技术员	II-III
72	Railway Passenger Terminal Service (Platform and Station) 铁路客运站（站台）服务技术员	II-III
73	Railway Passenger Service 铁路客运服务工程师	IV-V
74	Train Operation 列车运营技术员/工程师	II-IV
75	Vehicle Servicing 车辆服务技术员	I
76	Vehicle Body Repairing and Painting 汽车车身修理和涂装技术员/工程师	II-V
77	Vehicle Servicing and Repairing 车辆服务与维修技术员/工程师	II-V
78	Vehicle Capability Inspection 车辆性能检验技术员/工程师	II-IV
79	Heavy Vehicle and Earth Moving Machinery Maintenance 重型车辆和土方机械维护技术员/工程师	I-V
80	Road Traffic Safety 道路交通安全技术员/工程师	II-V
81	Basic Renewable Energy Support Works	I

序号	职业岗位名称	等级
	基础可再生能源支持工程技术人员	
82	Biomass Energy Technology Works 生物质能技术工程技术人员	III
83	Geothermal Energy Technology Works 地热能源技术工程技术人员	III
84	Power Generation Operation and Maintenance Support 发电站管理和维修技术人员	I-II
85	Power Distribution Network Infrastructure Systems Installation and Maintenance 配电网络基础设施系统安装与维护技术人员/工程师	III-IV
86	Power Generation and System Installation and Maintenance - Electrical/Electronics 发电和系统安 装与维护 - 电气/电子技术人员/工程师	III-IV
87	Power Generation Installation and Maintenance - Mechanical 发电安装和维护 - 机械技术人员/工程师	III-IV
88	Power Generation Operation 发电站管理技术人员/工程师	III-IV
89	Power Generation and Substation Management 发电站管理工程师	V
90	Power Line Works Support 电力线路工程支持技术人员	I
91	Electrical power system technology 电力系统技术人员/工程师	III-V
92	Power Transmission Technology 电力传输系统技术人员/工程师	II-V
93	IT Support Services 信息技术支持服务技术人员	I-II
94	Hardware & Networking Service 硬件与网络维修技术人员/工程师	III-IV
95	Web development & Database Administration 网页开发和数据库管理技术人员/工程师	III-IV
96	IT Service Management 信息技术服务管理工程师	V
97	Broadband Networking 宽带网工程师	IV
98	Mobile and Wireless Networking 移动和无线网工程师	IV-V
99	Optics Networking 光学网络工程师	IV-V
100	Telecom Cabling 电信电缆技术人员	II-III
101	Telecom Digital Reception Equipment Installation	II-III

序号	职业岗位名称	等级
	电信数字接收设备装置技术员	
102	Telecom Rigging Installation 电信设备索具安装技术员	II-III
103	Telecom Networking 电信网络管理技术员/工程师	II-V
104	Basic Abattoirs Operations 屠宰场的基本操作技术员	I
105	Slaughter By-Products Operations 屠宰副产品业务技术员	II-III
106	Slaughter Operation 屠宰业务技术员	II-III
107	Meat and Meat Products Business Operation 肉类和肉制品业务操作技术员	III
108	Abattoir Management 屠宰场管理工程师	IV-V
109	Tourism Service 旅游服务技术员	I-II
110	Tour Guiding 导游技术员/工程师	III-IV
111	Tour Operation 旅游经营技术员/工程师	III-V
112	Mineral Resources Infrastructure Works 矿产资源基础设施工程技术员	I
113	Drilling 钻探技术员/工程师	II-V
114	Mineral Exploration 矿物勘探技术员/工程师	II-III
115	Mineral Processing 矿物加工技术员/工程师	II-IV
116	Surface Mining 地面采矿技术员	II-V
117	Underground Mining 地下采矿技术员/工程师	II-IV
118	Physicochemical Laboratory Operation 物理化学实验室操作技术员/工程师	II-V
119	Lapidary 石材加工技术员/工程师	I-IV
120	Rural Land Development & Management 农村土地开发与管理技术员/工程师	II-IV
121	Cement Production 水泥生产操作员/工程师	I-V
122	Basic Chemicals Processing Work	I

序号	职业岗位名称	等级
	基础化学品加工技术员	
123	Soap and Detergent Manufacturing 肥皂和洗涤剂制造技术员/工程师	II-IV
124	Pulping and Paper Making 制浆造纸技术员/工程师	II-IV
125	Chemical Products Processing Management 化工产品加工管理工程师	V
126	Pharmaceuticals Manufacturing 医药制造技术员/工程师	I-V
127	Printing and Graphic Arts 印刷和图形艺术技术员/工程师	I-IV
128	Basic Chemicals Processing Work 基础陶瓷加工工作技术员	I
129	Ceramics Processing 陶瓷加工技术员/工程师	II-V
130	Composite Processing 复合加工技术员	II-III
131	Glass Processing 玻璃加工技术员/工程师	II-IV
132	Paint Processing 油漆加工技术员	II-III
133	Plastic Processing 塑料加工技术员	II-III
134	Rubber Processing 橡胶加工技术员	II-III
135	Polymer Processing 聚合物加工技术员/工程师	II-V
136	Cement production Equipment operation 水泥生产设备操作技术员	I
137	Cement production operation 水泥生产操作技术员	II-III
138	Cement Product Processing 水泥制品加工技术员	II-III
139	Cement production 水泥生产工程师	IV-V
140	Dimensional Stone Product Processing 石料产品加工技术员/工程师	I-V
141	Ceramics Production Work 陶瓷生产产品技术员/工程师	I-V
142	Furniture Making 家具制作技术员/工程师	I-IV
143	Road Civil Works	I-II

序号	职业岗位名称	等级
	道路土建技术员	
144	Bridge Construction and Maintenance 桥梁建设和维护技术员	III
145	Rigid and Flexible Road Surfacing 刚柔性路面铺设技术员	III
146	Road Construction and Maintenance 道路建设与维护技术员	III
147	Road Material Quality Control 道路材料质量控制技术员	III
148	Tunnel Construction 隧道施工技术员	III
149	Onsite-Road Construction and Maintenance 现场道路施工和养护工程师	IV-V
150	Public Transport Service 公共交通服务技术员/工程师	I-V
151	Marine Engine Servicing 船用发动机维修技术员/工程师	I-V
152	Basic Marine Operations (Deck and Engine Room Rating) 基础海运操作技术员（甲板和机舱等级）	I
153	Deck Rating 甲板技术员/工程师	II-V
154	Engine Rating 船用发动机技术员/工程师	II-V
155	Aircraft Avionics Maintenance 飞机航空电子设备维修技术员/工程师	II-IV
156	Aircraft Engine Maintenance 飞机发动机维护技术员/工程师	II-IV
157	Aircraft Hangar Line Maintenance 飞机机库线路维护技术员/工程师	II-IV
158	Aircraft Mechanical Components Maintenance 飞机机械部件维修技术员/工程师	II-IV
159	Aircraft Structure Maintenance 飞机结构维护技术员/工程师	II-IV
160	Aircraft Maintenance Management 飞机发动机维护技术员/工程师	V
161	Basic Electrical and Electronics Equipment Maintenance 基础电气和电子设备维护技术员	I
162	Electrical and Electromechanical Equipment Maintenance 电气和机电设备维护技术员/工程师	II-V

序号	职业岗位名称	等级
163	Security Screening and Electronics System Maintenance 安检和电子系统维护技术员	II
164	Network, Communications and Automated Systems Maintenance 网络、通信和自动化系统维护技术员	III
165	Safety, Security and Detection Systems Maintenance 安全、保安和探测系统维护技术员	III
166	Security and Communication Systems Operation and Maintenance 安全和通信系统操作和维护工程师	IV-V
167	Security and Communication Systems Operation and Maintenance Supervision 安全和通信系统操作和维护监督工程师	IV
168	Aerodrome Air Traffic Service 机场空中交通服务工程师	V
169	Approach Procedural Air Traffic Service 进场程序性空中交通服务工程师	V
170	Area Procedural Air Traffic Service 区域程序性空中交通服务工程师	V
171	Approach Surveillance Air Traffic Service 进场监视空中交通服务工程师	V
172	Area Surveillance Air Traffic Service 区域监控航空交通服务工程师	V
173	Electronic Communication Equipment Maintenance 电子通讯设备维护技术员	III
174	Communication and Navigation Equipment Maintenance 通信与导航设备维护工程师	IV-V
175	Surveillance Equipment Maintenance 监视设备维护工程师	IV-V
176	Airport Customer Services 机场客户服务技术员	I-III
177	Basic Ramp/Cargo Operation 匝道/货物基本操作技术员	I
178	Cabin Customer Services 机舱客户服务技术员	II-III
179	Cargo Customer Services 货运客户服务技术员	II-III
180	Ramp Customer Services 匝道客户服务技术员	II-III
181	Customer Services 客户服务技术员	I-III
182	Customer Service Management	IV

序号	职业岗位名称	等级
	客户服务管理工程师	
183	Basic Aviation Work 航空基础工作技术员	I
184	Basic Aircraft Hangar Line Maintenance 基本的飞机机库线路维护技术员	I
185	GSE Operation 地面支援设备操作技术员	I-II
186	Airport Fire Safety 机场消防安全技术员/工程师	II-IV
187	Airfield Ground Lighting Equipment Maintenance 机场地面照明设备维护技术员/工程师	II-V
188	Aircraft Marshalling Operation 飞机引导技术员/工程师	III-IV
189	Customer Facilitation and Information Service 客户便利和信息服务技术员/工程师	III-IV
190	Airport Operation and Safety Management 机场运营和安全管理工程师	V
191	Freight Transport and Logistics Services 货物运输和物流服务技术员	I-II
192	Freight Forwarding Operations 货运代理业务技术员/工程师	III-V
193	Freight Transport Logistics Operations 货物运输物流业务技术员/工程师	III-IV
194	Warehouse Operations 仓库业务技术员	III
195	Material Logistics Operations Supervision 物资物流业务监管技术员/工程师	IV-V
196	Terminal Cargo Operation 码头货物操作技术员/工程师	III-IV
197	Dam Safety and Catchment Operation 大坝安全与集水操作技术员/工程师	I-V
198	Electro Mechanical 机电系统技术员/工程师	I-IV
199	Irrigation and Drainage 灌溉与排水系统技术员/工程师	II-V
200	Water Supply and Sanitation 供水与下水道设施技术员/工程师	I-V
201	Water Well Drilling and Construction 水井钻探与施工技术员/工程师	II-V
202	Meteorological Forecasting 气象预报技术员/工程师	II-V
203	Basic Electrical/Electronics Equipment Servicing	I

序号	职业岗位名称	等级
	基础电气/电子设备维修技术员	
204	Electronics Communication and Multimedia Equipment Servicing 电子通讯和多媒体设备服务技术员/工程师	II-III
205	Home/Office Electrical/Electronic Equipment Servicing 家庭/办公室电气/电子设备服务技术员/工程师	II-III
206	Electronics and Communication Technology Management 电子和通信技术管理工程师	IV-V
207	Biomedical Equipment Servicing 生物医学设备服务技术员/工程师	II-V
208	Industrial Automation and Control Technology 工业自动化和控制技术技术员/工程师	II-V
209	Basic Building Construction Work 基础建筑施工工作技术员	I
210	Bar bending and Concreting 钢筋与混凝土操作技术员	II-III
211	Carpentry 木工技术员	II-III
212	Finishing Construction Work 施工收尾技术员	II-III
213	Masonry 石工技术员	II-III
214	On-Site Building Construction 现场建筑施工工程师	IV
215	On-Site Building Finishing Work 现场建筑施工收尾工程师	IV
216	Building Construction Management 现场建筑施工管理工程师	V
217	Building Electrical Installation 楼宇电气装置技术员/工程师	II-V
218	Plumbing Installation 管道装置技术员/工程师	II-V
219	Land Administration Support Work 土地管理辅助工作技术员	II
220	Cadastral Surveying and Mapping Service 地籍勘测与制图业务技术员	III
221	Cadastral Surveying Service 地籍勘测业务工程师	IV
222	Cadastral Mapping Service 地籍测绘业务工程师	IV
223	Cadastral Surveying and Mapping Administration 地籍勘测与制图管理工程师	V
224	Urban Planning and Land Administration Service 城市规划和土地管理服务技术员	III
225	Urban Planning Service 城市规划工程师	IV-V
226	Land Administration and Transfer 土地管理与转让工程师	IV-V
227	Real Property Registry and Information System Service	III

序号	职业岗位名称	等级
	不动产等级与信息系统服务技术员	
228	Legal Cadaster Registry Service 地籍注册法律服务工程师	IV
229	Land Information System Service 土地信息系统服务工程师	IV
230	Cadastral Registry and Land Information System Administration 地籍注册与土地信息系统管理工程师	V
231	Real Property Valuation 不动产估计技术员/工程师	III-V
232	Housing and User Data Collection and Registration 住房和住户数据收据与注册技术员	II
233	Housing Stock Data Maintenance and Security 住房库存数据维护与安全技术员	III
234	Housing Transaction and Facilitation Service 房屋交易与中介服务技术员	III
235	Housing Information System Administration 房屋信息系统管理工程工程师	IV
236	Housing Transaction and Maintenance Operation 住房交易与维修管理工程师	IV
237	Urban Housing Transaction and Management 城市住房交易与管理工程师	V
238	Community Participation 社区参与技术员/工程师	III-V
239	Firefighting and Rescue Operation 灭火和救援行动技术员	II
240	Fire and Rescue Equipment Maintenance 消防和救援设备维护技术员	III
241	Fire and Rescue Operation and Communication 消防与救援行动和通信技术员	III
242	Public Safety Awareness Creation 公共安全意识培养技术员	III
243	Fire Incident Investigation, Analysis and Coordination 火灾事故的调查、分析和协调工程师	IV
244	Public Safety Awareness and Law Enforcement 公共安全意识和执法工程师	IV
245	Fire and Emergency Management 消防和应急管理工程师	V
246	Landscaping, Greening and Beautification 景观设计绿化与美化技术员	I-II
247	Greenery and Beautification Development 绿化与美化发展技术员	III
248	Landscape Development	III

序号	职业岗位名称	等级
	景观开发技术员	
249	Greening and Beautification Management 绿化与美化管理工程师	IV
250	Landscaping Management 园林绿化管理工程师	IV
251	Green Infrastructure and Beautification Management 绿色基础设施与美化管理工程师	V
252	Mortuary, Cemetery and Funeral Operations 停尸房、公墓和殡葬业务技术员	I-III
253	Cemetery and Funeral Administration 墓地和殡葬管理工程师	IV
254	Mortuary Administration 停尸房管理工程师	IV
255	Mortuary, Funeral and Cemetery Management 殡仪馆、葬礼和公墓管理工程师	V
256	Regulatory Service 监管服务技术员/工程师	III-V
257	Solid Waste Management 固体废物管理技术员/工程师	I-V
258	Water Sustainability Operation 水的可持续性操作技术员	I
259	Wastewater Collection and Treatment 废水收集和处理技术员	II-III
260	Water Distribution 配水技术员	II-III
261	Water Treatment 水处理技术员	II-III
262	Wastewater Operation 污水处理操作工程师	IV
263	Water Supply Operation 供水操作工程师	IV
264	Water Utility Operation and Asset Management 水务运营和资产管理工程师	V
265	Asset Data Compilation and Record Keeping 资产数据汇编和记录保存技术员	II
266	Asset Acquisition and Data Analysis 资产收购和数据 分析技术员	III
267	Asset Data Maintenance and Security Service 资产数据维护和安全服务技术员	III
268	Asset Valuation and Analysis Administration 资产评估和分析管理工程师	IV

序号	职业岗位名称	等级
269	Integrated Asset Data Information Management System 综合资产数据信息管理系统工程师	IV
270	Municipal Physical Asset Management 市政实物资产管理工程师	V
271	Market Center Management 市场中心管理技术员/工程师	II-V
272	Audiometry Techniques 听力测量技术员/工程师	III-IV
273	Emergency Medical Service 紧急医疗服务技术员/工程师	III-IV
274	Environmental Health 环境卫生技术员/工程师	III-IV
275	Health Extension Services 健康推广技术员/工程师	III-IV
276	Health Information Technology 健康信息技术工程师	IV
277	Massage Therapy 按摩疗法技术员/工程师	II-V
278	Medical Laboratory 医学化验工程师	V
279	Mortuary/forensic 法医/殡仪馆技术员/工程师	III-IV
280	Biomedical Equipment Servicing 生物医学设备服务技术员/工程师	I-IV
281	Nursing 护理技术员/工程师	III-IV
282	Midwifery 助产士技术员/工程师	III-IV
283	Anesthetic Nursing 麻醉护理工程师	V
284	Geriatric Nursing 老年病护理工程师	V
285	Intensive Care Unit (ICU) Nursing 重症监护室护理工程师	V
286	Neonatal Nursing 新生儿护理工程师	V
287	Nursing Service Management 护理服务管理工程师	V
288	Operating Room (OR) Nursing 手术室护理工程师	V
289	Ophthalmic Nursing 眼科护理工程师	V

序号	职业岗位名称	等级
290	Pediatric Nursing 儿科工程师	V
291	Psychiatric Nursing 精神科护理工程师	V
292	Pharmacy 药学技术员/工程师	III-IV
293	Prosthetic and Orthotic Service 假肢和矫形器技术员/工程师	III-V
294	Medical Radiography 医学放射技术员/工程师	III-IV
295	Sanitary Construction 卫生设施建设技术员	I-III
296	Sterilization Techniques 消毒技术员/工程师	III-IV
297	Business and Trade Service 商业与贸易服务技术员	I
298	Trade Service 贸易技术员	II
299	Business Service 商业服务技术员	II
300	Business Governance Service 商业管理服务技术员/工程师	III-V
301	Advertising Service 广告服务技术员/工程师	III-IV
302	International Trade 国际贸易技术员/工程师	III-V
303	Wholesaling 批发管理技术员/工程师	III-V
304	Retailing 零售管理技术员/工程师	III-V
305	Legal Metrology 法律计量技术员/工程师	I-V
306	Arts Administration 艺术管理技术员/工程师	III-V
307	Audio Recording 音频录制技术员/工程师	II-V
308	Cultural Craft and Design 文化工艺与设计技术员	I
309	Ceramic Crafts and Design 陶瓷工艺与设计技术员	II-III
310	Leather Craft and Design 皮革工艺与设计工程师	II-III

序号	职业岗位名称	等级
311	Textile Craft and Design 纺织工艺与设计工程师	II-V
312	Metal Craft and Design 金属工艺与设计技术员	II-III
313	Bamboo and Basketry Crafts and Design 竹和篮艺工艺与设计技术员/工程师	II-III
314	Wood Crafts and Design 木工艺品与设计技术员/工程师	II-V
315	Stage Playwriting 舞台剧本创作技术员/工程师	II-V
316	Directing 导演技术员/工程师	II-V
317	Stage Play Acting 舞台表演技术员/工程师	II-V
318	Fine Arts 美术技术员	I-II
319	Graphic Arts 平面艺术技术员/工程师	III-IV
320	Painting 绘画技术员/工程师	III-IV
321	Sculpture 雕塑技术员/工程师	III-IV
322	Photography 摄影技术员/工程师	II-V
323	Library and Information Services 图书馆和信息服务技术员/工程师	II-V
324	Museum Service 博物馆服务技术员/工程师	II-V
325	Music Instrument Playing 音乐演奏技术员/工程师	I-V
326	Vocal Performance 声乐表演技术员/工程师	I-V
327	Dancing 舞蹈技术员/工程师	I-V
328	Musical Foundation Works 音乐基础工程技术员	I-II
329	Music Business Administration 音乐业务管理技术员/工程师	III-V
330	Musical Technical Production 音乐剧技术制作技术员/工程师	III-V
331	Basic Dancing 基本舞蹈技术员	I

序号	职业岗位名称	等级
332	Cultural Dancing 文化舞蹈技术员/工程师	II-V
333	Modern Dancing 现代舞蹈技术员/工程师	II-V
334	Modeling 模特技术员/工程师	II-IV
335	Broadcasting Journalism 广播新闻技术员/工程师	I-V
336	Costume Performance Designing 服装表演设计技术员	II
337	Media Instrument Operation 媒体器材操作技术员	III
338	Photo Imaging Works 照片影像作品技术员/工程师	III-V
339	Scenery and Set Construction 舞台布景制作技术员/工程师	III-V
340	Make-up Artistry 化妆艺术工程师	IV-V
341	Records and Archive Services 记录和档案服务技术员/工程师	I-V
342	Musical Instrument Maintenance 音乐乐器维护技术员/工程师	III-V
343	Musical Sound Production 音乐声音制作技术员/工程师	III-V
344	Video Film Making 影视制作技术员	II
345	Videography and Photography 视频和摄影技术员	II
346	Videography 视频制作技术员/工程师	III-V
347	Sound Designing 声音设计技术员/工程师	III-V
348	Video Film Editing 影视剪辑技术员/工程师	III-V
349	Video Film Lighting 影视打光技术员/工程师	III-V
350	Video Film and Screen Directing 影视和荧屏导演技术员/工程师	III-V
351	Film and Screen Acting 电影和屏幕表演技术员/工程师	III-V
352	Film and Screen Writing 电影和屏幕编写技术员/工程师	III-V

序号	职业岗位名称	等级
353	Athletics Officiating 田径裁判员	II-V
354	Coaching Jumping Events 跳跃项目指导员	I-IV
355	Coaching Long Distance Running and Race Walking 长跑和竞走指导员	I-IV
356	Coaching Middle Distance Running 中长跑指导员	I-IV
357	Coaching Sprint and Hurdle Running 短跑和跨栏跑指导员	I-IV
358	Coaching Throwing Events 投掷项目指导员	I-IV
359	Discus Throwing 铁饼运动员	I-IV
360	Hammer Throwing 链球运动员	I-IV
361	Javelin Throwing 标枪运动员	I-IV
362	Shot Putting 铅球运动员	I-IV
363	Long Distance Running 长跑运动员	I-IV
364	Middle Distance Running 中长跑运动员	I-IV
365	Short Distance Running 短跑和跨栏跑运动员	I-IV
366	Race Walking 竞走运动员	I-IV
367	Pole Vault 撑杆跳高运动员	I-IV
368	High Jumping 跳高运动员	I-IV
369	Long Jumping 跳高运动员	I-IV
370	Triple Jumping 三级跳运动员	I-IV
371	Basketball Coaching 篮球指导员	II-V
372	Basketball Officiating 篮球裁判员	II-V
373	Basketball Play 篮球运动员	I-III

序号	职业岗位名称	等级
374	Football Coaching 足球指导员	II-IV
375	Coaching Volleyball Play 排球指导员	II-IV
376	Football Play 足球运动员	II-IV
377	Football Officiating 足球裁判员	II-V
378	Football Goalkeeping 足球守门员	II-IV
379	Volleyball Officiating 排球裁判员	II-V
380	Volleyball Play 排球运动员	II-IV
381	Basic Boxing Industry Practice 拳击行业基本实践运动员	I
382	Boxing Play 拳击运动员	II-III
383	Coaching Boxing 拳击指导员	II-V
384	Officiating Boxing 拳击裁判员	IV-V
385	World Taekwondo Coaching 世界跆拳道指导员	IV-V
386	World Taekwondo Officiating 世界跆拳道裁判员	IV-V
387	World Taekwondo Play 世界跆拳道运动员	II-IV
388	Coaching Cycling 自行车运动指导员	II-V
389	Cycling 自行车运动员	I-III
390	Officiating Cycling 自行车运动裁判员	II-V
391	Handball Play 手球运动员	II-IV
392	Handball Coaching 手球指导员	II-V
393	Handball Officiating 手球裁判员	II-V
394	Coaching Para-Athletics 残疾人运动指导员	I-IV

序号	职业岗位名称	等级
395	Officiating Para-Athletics 残疾人运动裁判员	II-V
396	Para-Middle Distance Running 残疾人中长跑运动员	I-IV
397	Para-Sprint Running 残疾人短跑运动员	I-IV
398	Basic Physical Fitness Play 基础健身运动员	I
399	Physical Fitness Coaching 健身指导员	II-V
400	Physical Fitness Play 健身运动员	II-IV
401	Swimming 游泳运动员	I-III
402	Swimming Coaching 游泳指导员	II-V
403	Swimming Officiating 游泳裁判员	II-V
404	Table Tennis Coaching 乒乓球指导员	II-V
405	Table Tennis Officiating 乒乓球裁判员	II-V
406	Table Tennis Play 乒乓球运动员	I-III
407	Food Preparation 食物准备技术员	I-II
408	Ethiopian Cultural Food Production 埃塞俄比亚文化食物生产技术员/工程师	III
409	Bakery and Pastry Production 烘焙和糕点生产技术员/工程师	III
410	Foreign Dish Production 外国菜肴生产技术员/工程师	III
411	Food Production 食品生产工程师	IV
412	Food Production Management 食品生产管理工程师	V
413	Food and Beverage Service 食品和饮料服务技术员/工程师	I-IV
414	Food and Beverage Control 食品和饮料质量控制技术员/工程师	III-V
415	Housekeeping and Laundry Services 家政和洗衣服务技术员/工程师	I-IV

序号	职业岗位名称	等级
416	Front Office Services 前台服务技术员/工程师	II-V
417	Beauty Service 美容服务技术员	III
418	Beauty Therapy 美容理疗工程师	IV
419	Hairdressing 美发技术员/工程师	II-IV
420	Make-up and Skin Care Service 彩妆护肤服务技术员	II
421	Nail Enhancement Service 美甲服务技术员	II
422	Spa Management 水疗管理工程师	V
423	Basic Clerical Works 基础文书工作技术员	I
424	Accounting and Finance 会计与金融技术员/工程师	II-V
425	Secretarial Office Administration 行政办公室秘书	II-V
426	Clerical Works Support 文书辅助工作技术员	II
427	Human Resource Management 人力资源技术员/工程师	III-V
428	Legal Service 法律服务技术员/工程师	III-V
429	Marketing 市场营销技术员/工程师	III-V
430	Purchasing and Property Operations 采购和物业运营技术员	III
431	Property Operations Coordination 物业运营协调工程师	IV
432	Purchasing Operations Coordination 采购业务协调工程师	IV
433	Purchasing and Property Management 采购和物业管理工程师	V
434	Security 安保技术员/工程师	I-IV
435	Transportation Operation 交通运营技术员/工程师	I-V
436	Document Authentication and Registration 文件认证和登记技术员/工程师	I-V

序号	职业岗位名称	等级
437	Domestic work 家务工作技术员	II
438	Care giving 护理技术员	II
439	Special Needs Service 特殊需求服务技术员/工程师	III-V
440	Community Development 社区发展技术员/工程师	I-V
441	Social Work 社会工作技术员/工程师	III-V
442	Guidance and Counseling 指导和咨询技术员/工程师	III-V
443	Social Security Service 社会保障服务技术员/工程师	III-V
444	OHS Service 职业健康和安全服务技术员/工程师	III-V

附件 2

**第一批“埃塞俄比亚国家职业标准开发项目”
立项建设单位遴选申请表**

院校名称（盖章） _____

主管部门 _____

申报日期 _____

中非职业教育联盟制

2023 年 2 月

填 写 说 明

一、请按照填写提示，如实填写各项。

二、请用 A4 纸双面打印，于 2023 年 3 月 20 日前将加盖学校公章的纸质申报书（一式两份）邮寄至中非职业教育联盟秘书处（地址：山东省青岛市西海岸新区金沙滩路 598 号 青岛国际合作交流中心 312 室，收件人：李老师，电话：13001670250），并将申报书电子版以 Word 文档格式（单位名称+申报职业等级）发送至邮箱：lihaoyang@brpetro.com。

三、涉密内容可不填写，但须单独注明。

四、本表栏目未涵盖的内容，需要说明的，请另附材料。

五、申请咨询：

中非职业教育联盟秘书处

联系人：马老师 15908945081 李老师 13001670250

一、申请院校情况

学 校 情 况	是否有在非洲地区开展国际合作交流计划	是 否	
	相关国际合作交流部门成立的时间与人数	年	人
	上级主管单位		
拟 申 请 职 业 标 准 相 关 专 业 介 绍	拟申请职业标准名称 和等级		
	说明拟申请相关专业的基本情况（包括师资（专家）、专业所具备的行业特色或优势，可附件）		

二、推荐意见及联系信息

推 荐 意 见				
	学校（章）： _____			
	年 月 日			
联 系 人 信 息	姓 名		部门及职务	
	办公电话		传 真	
	手 机		电子邮箱	

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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ስልክ/Tel: +251 (0)11 867 81 60
ኢሜል/Email: mols.ethiopia@gmail.com


Teshale Berechna Yadessa (PhD)
Technical and Vocational Affairs
State Minister

ቁጥር: _____
Ref. No _____
ቀን: _____
Date _____

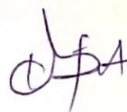
Also, based on lessons learned in recent years, we understand that it is crucial for TVT institutions to deliver programs that match the requirements of EOS. According to China's experience, we find that the Program Delivery Standards (PDS) formulated according to Occupational standards can largely guide 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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Technical and Vocational Affairs
State Minister



	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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 Technical and Vocational Affairs
 State Minister



	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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 Technical and Vocational Affairs
 State Minister



	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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Technical and Vocational Affairs
State Minister



	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



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

ቁጥር:

Ref. No.

ቀን:

Date

719/186/2023
16.2.2023

Secretary-General

China-Africa Vocational Education Alliance

Shandong,

CHINA

**RE: SUPPLEMENTARY INFORMATION FOR THE REVISED LIST OF OCCUPATIONS TO BE REVIEWED
AND DEVELOPED AND INVITATION FOR THE REVIEW AND DEVELOPMENT OF CURRICULUM AND
TTLM**

As stated in the letter (Ref. No. 7/9416/186/2023) issued on 17th January 2023, the Ministry of Labor and Skills (MoLS) would like to request your office to **support the review and development of occupational standards and program delivery standards**. However, during the discussion with stakeholders, we feel the need to revise on the proposed list of occupations. Therefore, in **Annex I** of this letter, you may find the revised list. We welcome you to refine it based on the capacity of your office and initiate the project from there.

Moreover, the ministry understands that the review and development of curriculum and training teaching-learning materials (TTLM) are in line with the review and development of occupational standards. As both project components are all included in the scope of Memorandum of Understanding signed on 16th January 2023, the ministry shall kindly request your office to further support on **the review and development of curriculum and TTLM** for the selected occupations in Annex I.

To enhance the accessibility of Technical and Vocational Training (TVT) trainers, the ministry also hopes that your office can support the development of **National TVT Resource Database**, which can present the necessary standards, curriculum and model TTLM to support daily teaching.

The ministry warmly welcomes the collaboration between your Alliance and us. Looking forward to your continued cooperation.

Yours Sincerely,



Teshale 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

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ስልክ/Tel: +251(0)118720654

Please quote our reference number in your reply.

ኢ.ሜ.ደ.ል/Email: mols.ethiopia@gmail.com

Annex I: Proposed List of Occupations for Review or Development, and development or review of Program Delivery Standards, Curriculum and TTLM.

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.

Industry & Occupation Title	Level
Agriculture	
Agricultural Cooperative Services	
Basic Agricultural Cooperative Service	I
Agricultural Cooperative Promotion Service	II
Cooperative Marketing Development	III
Cooperative Marketing	IV
Cooperative Marketing Management	V
Cooperative Accounting	III
Cooperative Accounting and Auditing	IV
Cooperative Accounting and Auditing Management	V
Cooperative Organization Development	III
Cooperative Organization Management	IV
Cooperative Business Management	V
Agricultural Technology	
Farm Machinery and Equipment Operation Support Work	I
Farm Machinery and Equipment Operation	II-V
Farm Machinery and Equipment Maintenance	I-V
Animal Health	
Animal Health Care Service	I-IV
Animal Production	
Artificial Insemination	I-III
Beekeeping	I-II
Dairy production	II-IV
Poultry Production	

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Technical and Vocational Affairs
State Minister

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Crop Production, Animal Production and Natural Resources Conservation and Development	
Basic Agricultural Production and Natural Resources Conservation	I
Animal Production	II-IV
Crop Production	II-III
Crop Production and Marketing Management	IV
Natural Resources Conservation and Development	I-IV
Horticultural Crop Production	II- IV
Rural Land Administration	
Rural Cadastre and Land Registration Service Support Operation	II
Rural Cadastre and Land Registration Service	III
Rural Land Administration	IV
Irrigation	
Small Scale Irrigation Development	I-IV
Industry Development	
Leather	
Leather and Leather Products	
Basic Leather Garments and Goods Production Operations	I
Leather Garments and Goods Production	II
Leather Garments Product Development	III
Leather Goods Product Development	III
Leather Garments and Goods Production Supervision	IV
Basic Footwear Production Operations	I
Footwear Production	II
Advanced Footwear Production and Product Development	III
Footwear Production Supervision	IV
Textile	
Textile Garment Production	
Advanced Apparel Production	III
Apparel Fashion Designing and Technology Supervision	IV

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 Technical and Vocational Affairs
 State Minister



Apparel Production and Technology Management	V
Basic Apparel Production	I
Intermediate Apparel Production	II
Textile Production	
Basic Textile Operations	I
Spinning and Ginning Operations	II-III
Textile Chemical Processing Operations	II-III
Textile Technology and Production	IV
Textile Technology and Production Management	V
Weaving and Knitting Operations	II-III
Locomotive	
Bogie and Body Production and Assembly	
Bogie and Body Production /Assembly Support Work	I-II
Bogie and Body Production /Assembly	III
Bogie and Body Production /Assembly Supervision	IV
Bogie and Body Production /Assembly Management	V
Electrical/Electronics Assembly	
Train Electrical/Electronics Assembly Support Work	I
Train Electrical/Electronics Assembly	II-III
Train Electrical/Electronics Assembly Supervision	IV
Train Electrical/ Electronics Assembly Management	V
Train Painting	
Train Painting	I-III
Metals	
Metal Engineering	
Basic Metal Works	I
Foundry Works	II-III
Foundry Supervision	IV
Machining	II-III
Machining Supervision	IV
Mechanics	II-III
Mechanics Supervision	IV
Metal Manufacturing Management	V

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Technical and Vocational Affairs
State Minister

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Welding	II-IV
Cement	
Cement Production	
Basic Cement Production Equipment Operations	I
Cement Production Equipment Operation	II
Cement Technical Production	IV
Cement Production Technical Operation	III
Cement Production Technology Management	V
Chemical Manufacturing	
Chemical Manufacturing Operations	
Advance Soap and Detergent Manufacturing Operation	III
Basic Chemicals Processing Work	I
Chemical Products Processing Management	V
Polymer Processing Operation	II
Polymer Processing	III-IV
Pulping and Paper Making Operation	II-III
Pulping and Paper Making Supervision	IV
Soap and Detergent Manufacturing Operation	II
Soap and Detergent Manufacturing Operation Supervision	IV
Pharmaceutical Manufacturing	
Basic Pharmaceuticals Manufacturing	I
Pharmaceuticals Manufacturing	II-III
Pharmaceuticals Manufacturing Management	V
Pharmaceuticals Manufacturing Supervision	IV
Printing and Publication	
Basic Printing and Graphic Arts Services	I
Printing and Graphic Arts Operations	II-III
Printing and Graphic Arts Supervision	IV
Chemicals and Construction Inputs Manufacturing	
Basic Chemicals Processing Work	I
Cement Product Processing	II-III

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




Ceramics Processing	II-III
Ceramics Processing Management	V
Ceramics Processing Supervision	IV
Composite Processing	II-III
Glass Processing	II-IV
Paint Processing	II-III
Plastic Processing	II-III
Polymer Processing Management	V
Polymer Processing Supervision	IV
Rubber Processing	II-III
Cement production Equipment operation	I
Cement production operation	II
Cement production technical operation	III
Cement production supervision	IV
Cement production Management	V
Dimensional Stone Product Processing	I-III
Dimensional Stone Product Processing supervisions	IV
Dimensional Stone Product Processing Management	V
Ceramics Production Work	I-III
Ceramics Production Work supervisions	IV
Ceramics Production Work Management	V
Agro-food Processing	
Basic Agro Food Processing	I
Bee Production Processing	III
Alcoholic and Non alcoholic Beverage Processing	II-III
Cereal Processing	II-III
Coffee and Tea Processing	II-III
Bee product processing	II-III
Spice and Herbs processing	II-III
Fruits and Vegetables Processing	II-III
Oil Seed & Pulse Processing	II

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Technical and Vocational Affairs
State Minister



Eidble oil and Fat Processing	III
Dairy Product Processing	II-III
Coffee and Tea Processing	II-III
Food processing operation	IV
Agro-food Processing Mgt	V
Animal Feed Processing	
Animal Feed Processing	II-III
Animal Feed Processing Supervision	IV
Basic Animal Feed Processing	I
Bamboo	
Bamboo and Bamboo Products	
Bamboo Processing and Marketing Management	V
Bamboo Derivatives Production	II-III
Bamboo Furniture Making	II-III
Bamboo Harvesting and Post Harvest Works	I
Bamboo Industrial Processing	II-III
Bamboo Processing Supervision	IV
Furniture Making	
Furniture Making	I-III
Furniture Making Management	IV
Defense Industry	
Ground Defense Maintenance	
Armament and Ammunition Maintenance	
Basic Electrical-Electronic Equipment Servicing	I
Basic Metal Works	I
Ammunition Maintenance and Disposal	II-III
Small and Heavy Armaments Maintenance Supervision	IV
Armament Technology Management	V
Ammunition Technology Management	V
Ammunition Technology Supervision	IV
Fire Control and Optical Device Management	IV

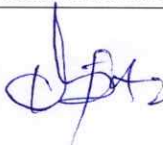
Teshale Berecha Yadessa(PhD)
Technical and Vocational Affairs
State Minister

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Fire Control and Optical Devices Servicing	II-III
Machining /Electrical Machines Servicing	II
Rocket and Missile Launchers Maintenance	III
Rocket and Missile Launchers Maintenance Supervision	IV
Small and Heavy	II-III
Tracked Combat Vehicle Maintenance	
TCV Maintenance	I
TCV Electrical -Electronics Maintenance	II-III
TCV Mechanical Maintenance	II-III
TCV Maintenance Operations	IV
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Rubber Tree Plantation & Development	II
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On-site Road Construction and Maintenance Management	IV
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Road Civil Works	II
Road Construction and Maintenance	III
Road Material Quality Control	III
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Railway Infrastructure Construction and Maintenance	
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Basic Railway Electrical and Control Works	I
Rail Communication Works and Maintenance	III
Signaling Works and Maintenance	III
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Marine Engine Servicing	
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Aircraft Mechanical Components Maintenance	II-IV
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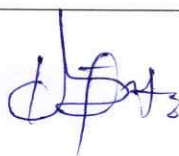


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Basic Aviation Work	I
Basic Ground Support Equipment (GSE) Operation	I
Basic Ramp/Cargo Operation	I
Basic Customer Services	I
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Safety, Security and Detection Systems Maintenance	III
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Electro-technology	
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Electrical/Electronics Equipment Servicing Management	IV
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Intermediate Biomedical Equipment Servicing	III
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Community Participation and Mobilization Management	V
Fire and Emergency	
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Fire and Rescue Equipment Maintenance	III
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Solid Waste Handling	II
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Transfer Station and Compost Operation	III
Water Utility	
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Market Centre Service Inspection	IV
Market Centre Management	V

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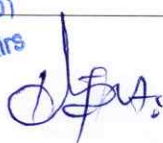
Health	
Audiometry	
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Sound Planning and Designing	V
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Handball Play	II-IV
Handball Coaching	II-V
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Tourism Service	I-II
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Basic Account Works	II
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Clerical Works Support	II
Customer Contact and Secretariat Operations	III
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Customer Contact Works Support	II
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Human Resources Management	V
Human Resource Operations	III
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