



## Consultancy Services for Development of Seven (7) Occupational Standards and Competency Based Curricula

Support to Technical and Vocational Education and Training (TVET) for Relevant Skills Development Phase II Project

**Client:** Curriculum Development Assessment and Certification Council (CDACC)  
**Project value:** € 460.270  
**Funding:** African Development Bank

**Duration:** July 2017 – March 2018  
**Lead firm:** Cadena  
**Partner:** IBF International Consulting

The Phase II Project targets poor and vulnerable youth, including 3000 youths from across the country (at least 50% females) living with disabilities. The project encompasses improving access, quality and relevance of TVET (component 1), equipping vulnerable youth with relevant TVET skills and work experience (component 2) and supporting the Ministry of Education, Science and Technology (MoEST) and project management (component 3).

Reforming to competency assessment and training, part of component 1, requires specialized institutions and coordination. In order to make TVET programmes market driven and to address the needs of the workplace and the promotion of self-employment, competency based curricula is required, for which development of occupational standards (together with the industry) is crucial.



Cadena managed to develop those occupational standards / job profiles for 7 occupational areas, following the Develop A Curriculum (DACUM) procedures. After developing the DACUM chart, the occupational standards were developed by Sector Skills Advisory Committees (SSACs), from which the Competency Based Training (CBET) curriculum was derived and learning guides have been developed. Furthermore, Cadena developed an interactive website and portal and set up a national database to make the occupational standards available to the public and institutions.

|   |                            |     |     |                                 |     |     |                                  |     |     |                                      |     |     |                             |     |     |                                |     |     |                            |     |     |                             |     |     |                                   |     |     |  |  |
|---|----------------------------|-----|-----|---------------------------------|-----|-----|----------------------------------|-----|-----|--------------------------------------|-----|-----|-----------------------------|-----|-----|--------------------------------|-----|-----|----------------------------|-----|-----|-----------------------------|-----|-----|-----------------------------------|-----|-----|--|--|
| <b>F. Service Vehicle Steering System</b>   | F.1 Replace steering wheel | 2.5 | 1.7 | F.2 Replace intermediate shafts | 2.3 | 2.6 | F.3 Replace steering column      | 3.7 | 2.5 | F.4 Replace universal joint/coupling | 3.8 | 2.3 | F.5 Replace steering rack   | 4.7 | 2.8 | F.6 Replace steering box       | 3.8 | 2.8 | F.7 Replace drop arm       | 3.5 | 2.5 | F.8 Replace rack end        | 4.3 | 2.3 | F.9 Replace steering dust rubbers | 3.3 | 1.8 |  |  |
|   |                            |     |     |                                 |     |     |                                  |     |     |                                      |     |     |                             |     |     |                                |     |     |                            |     |     |                             |     |     |                                   |     |     |  |  |
| <b>G. Service Vehicle Braking System</b>    | G.1 Replace brake booster  | 4.7 | 2.3 | G.2 Replace master cylinder     | 4.8 | 1.8 | G.3 Replace brake flexible pipes | 4.5 | 1.5 | G.4 Replace brake calipers           | 4.5 | 1.7 | G.5 Replace brake disc/trum | 4.3 | 1.7 | G.6 Replace brake pads/linings | 4.7 | 1.5 | G.7 Replace slave cylinder | 4.2 | 2.0 | G.8 Replace brake adjusters | 3.5 | 2.2 | G.9 Replace brake actuators       | 4.0 | 2.7 |  |  |
|   |                            |     |     |                                 |     |     |                                  |     |     |                                      |     |     |                             |     |     |                                |     |     |                            |     |     |                             |     |     |                                   |     |     |  |  |
| <b>H. Service Vehicle Electrical System</b> |                            |     |     |                                 |     |     |                                  |     |     |                                      |     |     |                             |     |     |                                |     |     |                            |     |     |                             |     |     |                                   |     |     |  |  |
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| <b>J. Perform Vehicle Body Works</b>        |                            |     |     |                                 |     |     |                                  |     |     |                                      |     |     |                             |     |     |                                |     |     |                            |     |     |                             |     |     |                                   |     |     |  |  |
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### Key Deliverables

- Planning and inception report
- Training of DACUM facilitators
- Establishment of SSACs
- Development of occupational standards/ job profiles for 7 occupational areas
- Develop website and portal, set up national data base
- Develop competency based curricula and learning guides for the 7 occupational standards
- Dissemination of results

### 7 Occupational Areas

- Automotive Engineering Technician
- Building Technician
- Chemical Engineering Technician
- Electrical Engineering Technician (power option)
- Food Technologist
- Mechanical Engineering Technician (production option)
- Tourism Manager

### Stakeholders

- African Development Bank
- CDACC
- Directorate Technical and Vocational Education and Training
- Kenya National Examinations Council
- Kenya National Qualifications Authority
- Ministry of Education
- Ministry of Education, Science and Technology
- SSACs
- Technical Training Institute
- Technical Vocational Education and Training Authority

### Staff

- Lead expert
- Information and Communication Technology expert
- Electrical Engineering expert
- Mechanical Engineering expert
- Automotive Engineering expert
- Chemical Engineering expert
- Building Technician expert
- Food Technologist
- Tourism and Hospitality expert
- Kenyan Accredited Curriculum Development experts
- Official DACUM trainers
- Project Manager

Business Development - Turn-Key Project Development - Consultancy - Project Management - Training

## Cadena international development projects

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