

Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

Submission to

NSSA, Training Committee, Assessment and certification Committee, Metal and Engineering Sectorial Committee

Submission Date: 02.04.2019

Submitted by

GIZ- Workshop Management System Survey Team

This report (focused on Metal and Engineering) is presented by GIZ- Workshop Management System Survey Team (GIZ-W.M.S.S.T) after visiting the NSSA Accredited Assessment Centers in Yangon, Mandalay, Meikhtilar and Magway with the objectives of analysing the current situations and supporting for the further development of quality management systems of the assessment centers.

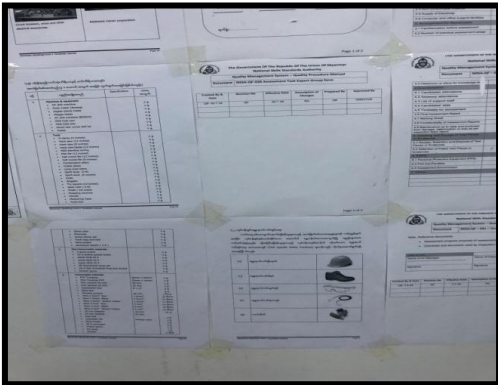
Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|---|---|------------------------------|--------------------------|--|---|
| 1. | Skills Training Center (North Dagon) | 1. Mr. Soe Moe Thu (Principal of the institution) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 19.03.2019 (09:30-11: 00) | Electrician (Level- 1&2) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Need to implement 5S • Need more facilities for documentation and storage • Need to describe clear organizational structure • Willing to have First Aid and safety Trainings • No private Website for Assessment Center • Need to define the warning signs clearly |

Remark: The GIZ- Workshop Management System Survey Team (GIZ-W.M.S.S.T) used the checklist, modules and criteria's in accordance with the NSSA Testing Centre Workshop Management Criteria Catalogue.

Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

Photos of inspection process on NSSA Assessment Center STC (North Dagon)



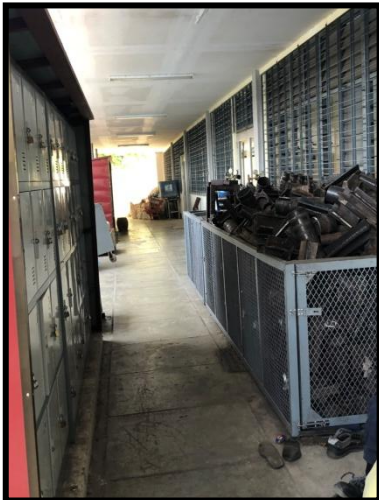
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| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|--|--|-------------------------------|-----------------------------|--|---|
| 2. | Singapore Myanmar Vocational Training Institute (Bahan) | 1. Mrs. Su Su Win (Principal of the institution) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 19.03.2019 (11:30-12:30pm) | Electrician (Level- 1&2) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Has knowledge about workshop management. • Already implemented several methods, e.g. documentation, sorting and set up materials, tools and equipment, waste management etc. • Need to apply the regular maintenance of machines (no preventive maintenance) • Get support from Singapore and Sea Lion (Festo Germany) • Willing to be connected with NSSA Web portal |

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Photos of inspection process on NSSA Assessment Center SMVTI



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| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|---|---|-----------------------------|---|--|---|
| 3. | ThukhaSusan training center (HlaingTharYar) | 1. Mr. Win Naing (Principal) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 19.03.2019 (1:00-2:30pm) | 1)MMAW (Level- 1) 2) Air Con Installer (Level- 1) 3)Electrician (Level- 1) 4) Electrician (Level- 2) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Need to implemented several methods, e.g. documentation, sorting and set up materials, tools and equipment, 5S, etc. • Need more appropriate storage rooms • no preventive maintenance • Have private clinic for emergency case • Need appropriate workspace for welding to protect from the rain • Willing to be connected with NSSA Web portal |

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Photos of inspection process on NSSA Assessment Center Thukhasusan Training Center



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| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|--|---|--------------------------|--------------------|--|--|
| 4. | KaBar training center (Mingalardon) | 1. Mr. Kyaw Zaya (Manager) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 19.03.2019 (3:00-4:30pm) | 1) MMAW (Level- 1) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Already implemented several methods, e.g. documentation, sorting and set up materials, tools and equipment. • Need to improve waste management • Do skills assessments with Singapore authority • Cleaning plan existing • X-ray for welder level 2-3 assessment available |

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Photos of inspection process on NSSA Assessment Center KaBar Training Center



Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|---|---|-------------------------------|---|--|--|
| 5. | No. 3, Industrial Training Center (Thargaya) | <ol style="list-style-type: none"> 1. Mr. Aung Naing Oo (Principal) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 21.03.2019 (11:30-12:30pm) | <ol style="list-style-type: none"> 1)Machinist (Level- 1) 2)Pneumatic Technician (Level- 2) | <ol style="list-style-type: none"> 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Has knowledge about workshop management, specially a 5S pilot area was already established • Already implemented several methods, e.g. documentation, sorting and set up materials, tools and equipment and basic safety measures • Need more safety equipment • Need more Facility, such as Milling Machine for the assessment • Willing to be connected with NSSA Web portal |

Remark: The GIZ- Workshop Management System Survey Team (GIZ-W.M.S.S.T) used the checklist, modules and criteria's in accordance with the NSSA Testing Centre Workshop Management Criteria Catalogue.

Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

Photos of inspection process on NSSA Assessment Center, workshop management survey



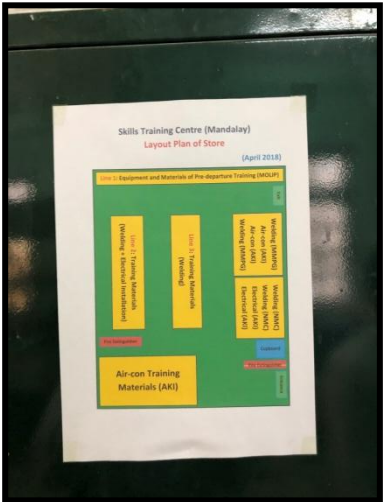
Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|--|--|-------------------------------|---|--|--|
| 6. | Skills Training Center (Mandalay) | 1. Mr. Myint Than (Principal) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 22.03.2019 (11:30-12:30pm) | 1)Electrician (Level- 1) 2)Electrician (Level- 2) 3)Air-con Installation (Level- 1) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Has deep knowledge about workshop management, specially a 5S pilot area was already established • Already implemented several methods, e.g. documentation, sorting and set up materials, tools and equipment and basic safety measures • Organization is well prepared • Principal had already several trainings abroad • Want to participate/ be involved in the sectorial committee of NSSA • Want to revise the competency standards for Level 2, Air con according to market demand in Mandalay |

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Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

Photos of inspection process on NSSA Assessment Center STC Mandalay



Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|---|--|-----------------------------|--|--|---|
| 7. | No. 2, Industrial Training Center (Mandalay) | 1. Mr. Kyaw Swar Oo (Principal) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 22.03.2019 (2:30-4:00pm) | 1)Small Engine Mechanic (Level- 1) 2)MMAW (Level- 1) 3)GMAW (Level- 1) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • <u>See survey report Chris</u> |

Remark: The GIZ- Workshop Management System Survey Team (GIZ-W.M.S.S.T) used the checklist, modules and criteria's in accordance with the NSSA Testing Centre Workshop Management Criteria Catalogue.

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Photos of inspection process on NSSA Assessment Center No (2) ITC Mandalay



Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|--|--|-------------------------------|---|--|--|
| 8. | Mechanization Training Center (Meikhtila) | 1. Mr. Aung Soe (Principal) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) 5. Mr. Min Zaw Oo, (GIZ Consultant) | 23.03.2019 (10:30-11:30am) | 1) Motorized Farm Equipment Mechanic (Level- 1) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • Has knowledge about workshop management, but not fully implemented • Need office facilities and storage facility for the assessment center • Planning to do the assessment for agriculture machine operator, Level- 1, SC already approved and do trial test with 3 candidates • For the implementation of Level 2 agricultural machinery mechanic assessment, much more equipment has to procure |

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Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

Photos of inspection process on NSSA Assessment Center Mechanization Training Center Meikhtila



Report of Survey Visit to NSSA Accredited Assessment centres (19th, 21th-23th of March 2019)

| Numbers | Assessment Center's Name | Inspection team | Inspection Date & Time | Occupations | Methods and criteria's used by inspection team | Findings & Comments |
|---------|---|--|-------------------------------|--------------------------|--|--|
| 9. | No. 5, Industrial Training Center (Magway) | 1. Mr. Thant Zin (Principal) 2. Mr. Ohn Myint, (Vice president-MES) 3. Mr. Michael Uriot , (GIZ Consultant) 4. Mr. Saw Thura Tow (GIZ Consultant) Mr. Min Zaw Oo, (GIZ Consultant) | 23.03.2019 (10:30-11:30am) | 1) Automotive (Level- 1) | 1. Interview, 2. Observation, 3. Photos, 4. Document review, 5. Unobtrusive measures | <ul style="list-style-type: none"> • has knowledge about workshop management. • Got already 5-S training, but not fully implemented • implemented several methods, e.g. documentation, sorting and set up materials, tools and equipment • want to revise Level 1 Standard for Automotive • need/ want more vehicles for assessment |

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Photos of inspection process on NSSA Assessment Center No (5) ITC Magway



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General impression

During the initial visits to the assessment center's it became obvious that there are a number of challenges and differences in the readiness of highly qualified assessments and organization.

The main difficulty of the most assessment center's are finance and facility. To improve the quality in the assessment center's, the center's need to procure more storage, cleaning and safety equipment.

Without proper facility it is not possible to organize the assessment and the whole center in an efficient way. The most assessment center know somehow what they should do, but they don't know how to start and how to finance this.

After the development of the assessment center Quality handbook, each center should be supported to find out which equipment is necessary to procure, according to the handbook.

With this information they can start step by step to procure the equipment.

Before or during the implementation of the quality measures from the Quality handbook, the leader of the assessment centers should participate in a 5-S training and should get support during implementation.

Some assessment centers are already well prepared. This Centers should be used as good example and as multiplier for other assessment centers. They can explain to the other assessment centers how they organize the workshop and teach them how they arranged the facility.

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Recommendation for the implementation of new assessment center at Locomotive Training school, Yahtaung

At Yahtaung Locomotive Training school Sagaing, an assessment center for machine tool operator could be implemented. They have enough space, machines and qualified staff and also willing to implement an assessment center. Even if the machines are already old, they are in good running condition and accurate enough to implement assessments for machinist Level 1. An additional free room could be used also for other assessments or for the theory test.

For welding or foundry assessment there is not enough space and equipment available.

The principal and the general manager of the factory are quit interested to be involved in NSSA processes. Possibilities and further steps should discuss on high level (Ministry to NSSA).

