

# OSP Project Specialist



**mictseta**  
ACC/2012/05/771

SAQA ID 246719  
NQF Level 04  
Credits 08



|                  |                           |                           |
|------------------|---------------------------|---------------------------|
| <b>Date/s:</b>   | <b>18 - 21 May 2021</b>   | <b>Venue</b>              |
| <b>Cost:</b>     | R 8 600.00 p.p. incl. VAT | <b>MetroFibre Networx</b> |
| <b>Duration:</b> | 4-days                    | 298 Witch-Hazel Avenue    |
| <b>Time:</b>     | 08h30 to 16h30 daily      | Highveld<br>Centurion     |

## For Bookings...

Please complete and email page-4 to: [registrations@thefibrelab.com](mailto:registrations@thefibrelab.com)

...or go to <http://www.tripleplay.co.za/> to register online



## General Information

Registrations are only confirmed upon receipt of payment and the training fee does not include travel or accommodation.

## About the course

The primary focus of this course is to provide a comprehensive coverage of the best practices for the deployment of optical communication networks.

Trenching, duct installation, air-assisted installation practices, hauling, aerial work practices, and much more is taught with lots of hands-on practice.

Comprehensive hands-on activities and the underlying theory are combined to provide a firm understanding of the concepts underpinning the deployment of optical communication networks.

Also provided is coverage on site management, wayleave applications, health & safety guidelines, quality and environmental management.

## Who should attend?

No previous experience is necessary. This training program is not limited to contractors, installers or technicians - it is an excellent credential for sales and marketing personnel, indicating their comprehensive knowledge of the industry and building confidence in their assistance to their customers.

## The Instructors

Teaching is provided through a mixture of lectures, demonstrations and practical sessions.

Each of the instructors involved with this course have over three decades of optical fibre experience and we welcome the opportunity to share our knowledge, insight and experience with you.

Should you have any questions about the course content, please feel free to contact:

**Joe Botha**

**Mobile:** +27 (0) 82 464 0386

**Email:** [joebotha@telkomsa.net](mailto:joebotha@telkomsa.net)

## Course Content

| Theory and Demonstrations                      |   |
|--|---|
| Introduction to Optical Fibre                  | Pole Handling PPE                           |
| Fibre Geometric Parameters                     | Transportation of Poles                     |
| Cable Jackets                                  | Pole handling                               |
| Strength members                               | Ladder lashing, climbing, safety belt, etc. |
| Moisture / Water-blocking                      | Survey Equipment and Tools                  |
| Micro ducts                                    | Survey - Gather Route Information           |
| Micro cables                                   | Checks to be undertaken                     |
| Colour Coding                                  | Wooden Pole Inspection                      |
| Environmental Considerations                   | Hole-digging Tools                          |
| Health and Safety Considerations               | Pole Holes                                  |
| Wayleave's                                     | Poles set in Concrete                       |
| Quality  | Pole Spacing                                |
| Pre-build Procedures                           | Suggested Aerial Work Practices             |
| Camp Establishment / Holding Area              | Selection of Pole and Stay Positions        |
| Trenching                                      | Types of Stays                              |
| Sludge Test                                    | Stay Guards                                 |
| Trench Width                                   | Struts                                      |
| Pilot Holes                                    | Stay Holes                                  |
| Location of Services                           | Stay Spread/Height Ratio                    |
| Trench Shoring                                 | Termination of Stay Wire                    |
| Notifications                                  | ADSS Installation                           |
| Private Property                               | Power Crossings                             |
| Suggested Trenching Practices                  | Cable Clearance                             |
| Barricading                                    | ADSS Installation                           |
| Trenching near Paving, Guttering, etc.         | Dead-End Sizes                              |
| Crossings, River, Bridge and Road              | ADSS Terminations and Support Types         |
| Duct Deviation                                 | Dynamometer                                 |
| Trenching near Power Cables                    | ADSS Sagging                                |
| Steep Gradient Trenching                       | Cable Slack                                 |
| Tree Roots                                     | Cable Hauling                               |
| Surface material                               | Pre- Installation Checks                    |
| Duct Un-Coiling Installation Process           | Duct Rodding                                |
| Bedding, Padding and Backfill                  | Duct Testing and Cleaning                   |
| OMC testing                                    | Centre-Pulls and Back-feeding               |
| Trench Compacting                              | Pulling Tension                             |
| DCP Test                                       | Pulling Socks                               |
| Direct-Buried Installations                    | Hauling Rope                                |
| Earthing and Bonding                           | Duct Fill Ratios                            |
| Markers  | Access Build                                |
| Manholes and Handholes                         | Dolomite (hard rock)                        |
| Hand-on Activities                             |   |
| Directional Drilling                           | DCP Testing                                 |
| Reinstatements                                 | Cable Hauling                               |
| Pre-installation Cable Testing and Inspections | ADSS Erecting                               |
| Cable play-off                                 | Figure-eighting                             |
| Air-Assisted Installation Practices            | Sagging                                     |
| DIT Testing                                    | True & false terminations, tangent supports |
| Cable Blowing Lubricants                       | Ladder lashing and climbing                 |
| Cable Bend Radius                              | DIT Testing                                 |
| Figure-eighting                                | Cable Floating                              |
| Micro Duct Tools and Accessories               | Retractable Fibre                           |
| Aerial Works                                   | Mid Spanning                                |

**Please complete the Registration Form below and submit for invoicing to:  
registrations@thefibrelab.com**

**DELEGATE @ R8 600.00 incl. VAT:**

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Name:

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Surname:

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Designation:

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Telephone:

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Mobile:

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Email:

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Dietary Req:

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Name:

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Surname:

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Designation:

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Telephone:

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Mobile:

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Email:

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Dietary Req:

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Company Name:

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VAT Registration #

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Postal Address:

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Contact Person:

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Telephone:

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Email:

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Authorised Signatory:

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