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|  Sri Lanka Telecom One Country. One Voice. | Specification for Field Assembly Connector (FAC) | Issue No. : 01 Date of Issue : 07-Oct-2014 Revision No. : Nil Date of Revision : Nil Page : 1 of 6 |
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1 Scope

This specification covers the requirements to satisfy the **Field Assembly Connector (FAC)** used in FTTH networks in Sri Lanka Telecom in provisioning FTTH services

2 Characteristics and Requirements

Following requirements in Table 1 shall be satisfied by the product.

| Index No. | Characteristics | Feature | SLT Requirement |
|-----------|-------------------------|---|---|
| 1 | General | 1.1 Product Description | Field Assembly Connector (FAC) |
| | | 1.2 Number of years, does FAC manufacturer provides its product in international Telco industry | More than 3 years |
| | | 1.3 Complete profile of FAC manufacturer is supplied | Data sheets, Specification sheets, Profile of company |
| | | 1.2 Outer Color | Blue |
| 2 | Standards | 2.1 Health & Safety Standard | ROHS |
| | | 2.2 Fiber type | Single Mode |
| | | 2.3 Connector type | Square Connector (SC) |
| | | 2.4 Grinding type | UPC |
| | | 1.2 Outer Color | Blue |
| 3 | Material | 3.1 Housing Material | Plastic |
| | | 3.2 Outer Jacket | Plastic |
| 4 | Optical Characteristics | 4.1 Insertion loss | (dB) ≤ 0.3 |
| | | 4.2 Return loss | (dB) ≥ 50 |
| | | 4.3 Operating wavelengths | 1310 nm, 1490 nm, 1550 nm, 1625 nm |
| 5 | Other Requirements | 5.1 Assurance of connection | Having indication or measurement to make sure assembly of core into connector |

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|--|--|--------------------|--|
| | | 5.2 Re-use | Ability to re-use number of times |
| | | 5.3 Easy Operation | Simplicity of practical use |
| | | 5.4 Durability | The material used for the connector shall have long life and be of high quality to withstand the ambient temperature and the environment conditions in Sri Lanka |


Contd...

Table 1

* Note: Branding Unit approved SLT Logo is given below.




- 3 Supplier Compliance Sheet – to be filled by the supplier – in Page 3**
- 4 QA Section Test Report – to be filled by the QA Staff – in Page 5**
- 5 Field Report Format – to be filled by the field staff – in Page 6**


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Supplier Compliance sheet

| Index No. | Characteristics | Feature | SLT Requirement | Complied/ Not Complied | If Complied, whether it has been provided with the Bid Proposal (Yes / No) | Location of the Reference (Document No., Chapter No., Heading No., Paragraph No., Line No. of the supporting bid document) | Explanatory Notes |
|-----------|-----------------|---|---|------------------------|--|--|-------------------|
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| | | 1.3 Complete profile of FAC manufacturer is supplied | Data sheets, Specification sheets, Profile of company | | | | |
| | | 1.2 Outer Color | Blue | | | | |
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|-----------|-------------------------|-----------------------------|--|--|-------------------------------|--|--|
| | | 1.2 Outer Color | Blue | | | | |
| 3 | Material | 3.1 Housing Material | Plastic | | | | |
| | | 3.2 Outer Jacket | Plastic | | | | |
| 4 | Optical Characteristics | 4.1 Insertion loss | (dB) ≤0.3 | | | | |
| | | 4.2 Return loss | (dB) ≥50 | | | | |
| | | 4.3 Operating wavelengths | 1310 nm, 1490 nm, 1550 nm, 1625 nm | | | | |
| 5 | Other Requirements | 5.1 Assurance of connection | Having indication or measurement to make sure assembly of core into connector | | | | |
| | | 5.2 Re-use | Ability to re-use number of times | | | | |
| | | 5.3 Easy Operation | Simplicity of practical use | | | | |
| | | 5.4 Durability | The material used for the connector shall have long life and be of high quality to withstand the ambient temperature and the environment conditions in Sri Lanka | | | | |
| Signature | | | | | Company(Signature with Frank) | | |
| Name | | | | | | | |
| Date | | | | | | | |

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QA Section Test Report – to be filled by the QA Staff

| Index No. | Characteristics | Feature | SLT Requirement | Measurement/Ob serva-tion |
|-----------|-------------------------|---|--|------------------------------|
| 1 | General | 1.1 Product Description | Field Assembly Connector (FAC) | |
| | | 1.2 Number of years, does FAC manufacturer provides its product in international Telco industry | More than 3 years | |
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| | | 1.2 Outer Color | Blue | |
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| 4 | Optical Characteristics | 4.1 Insertion loss | (dB) ≤0.3 | |
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| | | 5.3 Easy Operation | Simplicity of practical use | |
| | | 5.4 Durability | The material used for the connector shall have long life and be of high quality to withstand the ambient temperature and the environment conditions in Sri Lanka | |
| Signature | | | Signature with Frank | |
| Name | | | | |
| Date | | | | |

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Field Report Format – to be filled by the field staff

Material Description Field Assembly Connector(FAC)

Part No:

Area Installed:

| No | Observations/ Experience at the Installation/ subsequent | Comment | Remarks if any |
|-----------------|--|------------------------------|----------------|
| 1 | Outer colour is blue. | Yes/ No | |
| 2 | Housing Material is Plastic | Yes/ No | |
| 3 | Outer Jacket is plastic | Yes/ No | |
| 4 | Easy to remove insulation | Yes/No | |
| 5 | After make the connector, availability of continuity? | Yes/No | |
| 6 | Attenuation in dB | | |
| 7 | Easy to handle. | Yes/No | |
| 8 | Easy to remove insulation of fibre | Yes/No | |
| 9 | Able re-use | Yes/No | |
| 10 | Recommendation to install in SLT network | Recommended/ Not Recommended | |
| Signature..... | | Date:..... | |
| Service No..... | | | |