



ATF Fibre OTDR Certificate Generator

User Manual – Version 1.1
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1. Software Overview

This software generates professional OTDR certificates from .SOR files, including automatic loss budget calculations, reflectance evaluation, and pass/fail results.

2. Key Features

Feature	Description
One-way & Bidirectional Testing	Supports A→B / B→A workflows
Automatic Budget Calculator	FOA-based calculation
Reflectance Evaluation	Worst-case reflectance used
Route Summary	Cable-level sign-off
PDF Export	Client-ready reports

3. Workflow

1. Launch software
2. Activate licence
3. Enter Job Details
4. Configure Budget
5. Load SOR files
6. Review preview
7. Export certificate

4. Cable Length Calculation

Cable Length = End Event – Front Event

Excludes launch and tail fibres and follows OTDR best practice.

5. Launch and Tail Fibre Handling

Launch fibres (before Front Event) and tail fibres (after End Event) are excluded from calculations.

6. Budget Calculation

Allowed Loss = Connector Loss + Cable Loss + Splice Allowance

7. Reflectance Criteria

Maximum reflectance threshold typically -35 dB. Worst-case value is used.

8. Bidirectional Testing

Loss = (A→B + B→A) / 2

Splice = average

Reflectance = worst

9. Certificate Output

Includes job data, cable length, loss budget, reflectance, event table, and route summary.

10. Route Summary

Provides cable-level overview allowing single sign-off for full fibre routes.

11. Licence

Trial: 7 days / 5 exports

Paid: Unlimited

12. Support

For support or activation, contact ATF Fibre Ltd.