

# Losing your balance with distributed taps?

iOLM characterizes, maps and correlates link events automatically on reports to save time on your RDOF and BEAD funded projects.



## What is a distributed tap?

It's simply a splitter where power is divided at uneven ratios. The distributed tap architecture is the preferred approach for ongoing rural FTTH deployments.

## Why are traditional testing and reporting methods not up to task?

- **New complexity to measure loss:** test results for distributed taps may be misinterpreted as bad connectors or macrobends with current OTDRs. This results in certification failures and delays.
- **Manual reporting:** post-processing of reports is tedious and error prone as it is done manually offsite. Traditional OTDRs require manual correlation of the OTDR graph and engineering specs.



## The solution: intelligent Optical Link Mapper (iOLM)

### Unique advantages when testing a distributed tap architecture

- Leveraging intelligent algorithms and multiple acquisitions, iOLM characterizes taps with **industry-leading accuracy**, at the push of a button.
- Easy and automated reporting. iOLM maps out each element with a clear icon-based link view. Icons are customizable to match those used by the component manufacturer, enabling automated visual correlation of events on the test unit with both map view and table view.

## Default view



Distributed tap icons

## Customized view



Intuitive test port selection at your fingertips!  
Configure once and just select your test point.

### Link View



### Element Table

Type	No.	Pos./Len. (mi)	Loss (dB)	
			1310 nm	1550 nm
Splice*	2	2.9837	-0.064	-0.085
Section		2.3591	1.314	0.725
Splice*	3	5.3429	0.021	0.061
Section		0.6504	0.353	0.193
Coupler Tap 2-21*	4	5.9933	0.198	0.265
Section		0.5083	0.269	0.150
Coupler Tap 2-19*	5	6.5015	0.488	0.511
Section		1.1602	0.635	0.322
Splice	6	7.6618	-0.099	-0.139
Section		0.2807	0.148	0.089
Coupler Tap 2-17*	7	7.9425	0.375	0.394
Section		0.0793	0.058	0.045
Coupler Tap 4-15*	8	8.0218	1.128	1.250

## Additional benefits

**PON** iOLM automatically detects and adapts to the PON technology in use

**GUI** User-friendly interface clearly identifies items and their pass/fail results.

**iOLM**  
10 years  
of unmatched  
excellence



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