Expected Shortfall

[Nematrian website page: ExpectedShortfall, © Nematrian 2015]

Usually expected shortfall is defined as follows (for a distribution with a continuous probability density function $f(x)$ with no lower bound):

$$ES = \int_{-\infty}^{0} x f(x) dx$$

However, it is often also used virtually synonymously with Tail VaR (TVaR), Conditional VaR (CVaR) or Conditional Tail Expectation (CTE) as it mainly differs from these by a scaling factor.