

# Amplified transmission beyond C- and L- bands: doped fibre amplifiers for 1250-1450 nm range.

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**Abstract** *Growing capacity demand of fibre optic transmission systems increased interest to multi-span transmission outside traditional C- and L- bands. In this paper we review recent progress of doped fibre amplifiers designed for 1250-1450 nm range. We will also discuss various telecom and DCI transmission scenarios.*