

Title: TPG's Journey

Abstract:

TPG Telecom (TPG) is the 4th Mobile Operator in Singapore which has been awarded with Facilities Based Operator (FBO) License by IMDA. TPG has launched services by offering free trial since December 2018. The trial has exceeded TPG's expectations and attracted more than 200k registered users.

IMDA has set timeline and coverage requirement defined by Quality of Service (QoS) for 4G service. TPG shall comply with the QoS standards established by IMDA for three categories namely: Nationwide outdoor service coverage, Road/MRT tunnel service coverage, and In-building service coverage.

TPG is working on to build a greenfield network based on the future user quality of service requirement. To achieve accurate radio planning, TPG has adopted latest Atoll planning tools integrated with 3D ray-tracing model. At the same time, TPG has been conducting extensive verifications for both outdoor and indoor coverage, and fine tuning the simulation result.

It has always been challenging as a first foreign operator in Singapore since the competition in telecom industry has become more and more fierce. For example, the issue with building owner, safety concern at roof top setup, aesthetic issue etc.