

## NetXPTO - NetPlanner

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# Conteúdo

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Simulator Structure</b>	<b>3</b>
2.1	System . . . . .	3
2.2	Blocks . . . . .	3
2.3	Signals . . . . .	3
<b>3</b>	<b>Development Cycle</b>	<b>4</b>
<b>4</b>	<b>Case Studies</b>	<b>5</b>
4.1	Network dimensioning as Translucent mode of transport . . . . .	6

LinkPlanner is devoted to the simulation of point-to-point links.

LinkPlanner is a signals open-source simulator.

The major entity is the system.

A system comprises a set of blocks.

The blocks interact with each other through signals.

### 2.1 System

### 2.2 Blocks

### 2.3 Signals

List of available signals:

- Signal

The NetXPTO-LinkPlanner has been developed by several people using git as a version control system. The NetXPTO-LinkPlanner repository is located in the GitHub site <http://github.com/netxpto/linkplanner>. The more updated functional version of the software is in the branch master. Master should be considered a functional beta version of the software. Periodically new releases are delivered from the master branch under the branch name Release<Year><Month><Day>. The integration of the work of all people is performed by Armando Nolasco Pinto in the branch Develop. Each developer has his own branch with his/her name.



## 4.1 Network dimensioning as Translucent mode of transport

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<b>Starting Date</b>	:	October 03, 2017
<b>Goal</b>	:	Network dimensioning as Translucent mode of transport.

The objective of this dissertation is to develop ILP and Heuristic models for networks with translucent transport mode and finally integral in net2plan.

The methodology used for this is defining two networks, one being a reference and the other a realistic one. After being created will be the validation of heuristics with ILPs in the reference network. Finally apply heuristics to the case of realistic network.

