

# NovaTel Systems

Telecommunications Application Solutions



## PLANNER

**Planner** generates optimised routing plans ensuring carriers obtain peak performance from their network. This results in:

- ◆ Increased profitability
- ◆ Improved quality
- ◆ Reduced manual effort
- ◆ Minimised human error
- ◆ Optimised network efficiency

**Planner's** routing engine caters for the generation of routing plans taking into account factors such as margin, quality, capacity and network topology. Improved overall profitability is achieved by optimising for highest value rather than least cost. Capacity is taken into account to avoid route overflows and possible negative margins.

Supplier's rate sheets and dial plans can be easily uploaded into the system. Destinations, dial codes and rates can be viewed together in one unified view. Sophisticated analysis of dial code mappings detail the full range of overlap types and allow operator refinement to exploit available business opportunities.

## PLANNER Benefits:

- ◆ Considerations can be taken on both commercial and technical levels using guidelines such as:
  - \* Financial considerations
  - \* Network capabilities and constraints
  - \* Customised business rules
- ◆ Preview of route plans before implementation and generates future route plans
- ◆ Routing strategies that incorporate knowledge of cost and network performance for a more profitable business
- ◆ Better utilization of limited resources
- ◆ Optimises your margins on voice traffic
- ◆ **Planner** integrates smoothly with **Switch** enabling the rapid provisioning of routing plans onto the switches in the network.
- ◆ WebStart technology slashes installation time
- ◆ Easy to work with, minimal training

Reference Destination	Generated Price	First	Second	Third	Fourth
Alghanistan	15	ATR.T [10.0]	Telia [50.0]	---	---
Alghanistan - Mobile	75	Telia [50.0]	ATR.T [10.0]	---	---
Albania	13.5	CWC [9.0]	ATR.T [10.0]	Telia [50.0]	---
Albania - Mobile	13.5	CWC [9.0]	ATR.T [10.0]	Telia [50.0]	---
Algeria	30	ATR.T [20.0]	Telia [55.0]	---	---
Algeria - Alger	15	ATR.T [10.0]	Telia [50.0]	---	---
Algeria - Mobile	12	ATR.T [5.0]	Telia [8.0]	---	---
Algeria - Mobile Orascom	3	Telia [2.0]	ATR.T [9.0]	---	---
American Samoa	3	ATR.T [2.0]	Telia [2.0]	---	---
Angola	7.5	ATR.T [5.0]	Telia [7.0]	---	---
Angola - Mobile	12	ATR.T [5.0]	ATR.T [9.0]	Price: 9.0	---
Angola - Mobile Orascom	Unkown	Telia [Unkown]	---	Angola - Mobile: 9.0	---
Angola - Christmas Island	Unkown	Telia [Unkown]	---	Explicitly excluded	---
Australia - Cocos Island	N/A	Telia	---	---	---
Australia - Melbourne	Unkown	Telia [Unkown]	---	---	---
Austria	Unkown	Telia [Unkown]	---	---	---
Czech Republic	N/A	Telia	---	---	---
Denmark	N/A	---	---	---	---
Denmark - Copenhagen	N/A	---	---	---	---
Denmark - Mobile	N/A	---	---	---	---
Australia - Christmas Island	Unkown	Telia [Unkown]	---	---	---
Australia - Cocos Island	N/A	Telia	---	---	---
Australia - Mobile	Unkown	Telia [Unkown]	---	---	---
Australia - Mobile Orascom	Unkown	Telia [Unkown]	---	---	---

Generated route plan - Includes price per destination and reasons where a carrier is excluded.

Ref Destination	OT	Overlap Type	Carrier Destinations	Start Date
Alghanistan	Full Cover Extended	Full Cover Extended	Alghanistan	2005-08-18 09:25:35
Alghanistan - Mobile	Full Cover Extended	Full Cover Extended	Alghanistan	2005-08-18 09:25:35
Albania	Cover Match	Cover Match	Albania	2005-08-18 09:25:35
Albania - Mobile	Cover Match	Cover Match	Albania - Mobile	2005-08-18 09:25:35
Algeria	Cover Match	Cover Match	Algeria	2005-08-18 09:25:35
Algeria - Alger	Cover Match	Cover Match	Algeria - Alger	2005-08-18 09:25:35
Algeria - Mobile	Cover Match	Cover Match	Algeria - Mobile	2005-08-18 09:25:35
Algeria - Mobile Orascom	Cover Match	Cover Match	Algeria - Mobile Orascom	2005-08-18 09:25:35
American Samoa	Cover Match	Cover Match	American Samoa	2005-08-18 09:25:35
Andorra	Cover Match	Cover Match	Andorra	2005-08-18 09:25:35
Andorra - Mobile	Cover Match	Cover Match	Andorra - Mobile	2005-08-18 09:25:35
Angola	Cover Match	Cover Match	Angola	2005-08-18 09:25:35
Argentina	Cover Match	Cover Match	Argentina	2005-08-18 09:25:35
Argentina - Buenos Aires	Cover Match	Cover Match	Argentina - Buenos Aires	2005-08-18 09:25:35
Argentina - Mobile	Cover Match	Cover Match	Argentina - Mobile	2005-08-18 09:25:35
Armenia	Cover Match	Cover Match	Armenia	2005-08-18 09:25:35
Armenia - Mobile	Cover Match	Cover Match	Armenia - Mobile	2005-08-18 09:25:35
Armenia - Yerevan	Cover Match	Cover Match	Armenia - Yerevan	2005-08-18 09:25:35
Aruba	Cover Match	Cover Match	Aruba	2005-08-18 09:25:35
Ascension	Cover Match	Cover Match	Ascension	2005-08-18 09:25:35

Generated LCR plan - Comprehensive dial code analysis of each destination.

## PLANNER Features:

- ◆ User friendly and secure interface
- ◆ Unified views of carriers data, including dial codes and rates
- ◆ Import and export of data in a CSV format
- ◆ Unified views for simplified price analysis
- ◆ Accelerated techniques to match reference dial plan to carrier plans
- ◆ Advanced optimisation of route plans, based on price, quality and capacity of traffic carriers
- ◆ Fast automated route plan generation, based on pre-defined business rules
- ◆ Override management:
  - \* Force a carrier into a route plan
  - \* Exclude carriers from one or all route choices
- ◆ Tools to generate suggested reference plans to improve your revenue margin.

Reference Destination	Telia	AT&T	CWC
Afghanistan	Telia : 50.0	AT&T : 10.0	---
Afghanistan - Mobile	Telia : 50.0	AT&T : 10.0	---
Albania	Telia : 50.0	AT&T : 10.0	CWC : 8.0
Albania - Mobile	Telia : 50.0	AT&T : 10.0	CWC : 8.0
Algeria	Telia : 20.0	AT&T : 20.0	---
Algeria - Alger	Telia : 50.0	AT&T : 10.0	---
Algeria - Mobile	Telia : 8.0	AT&T : 8.0	---
Algeria - Mobile Orascom	Telia : 2.0	AT&T : 9.0	---
American Samoa	Telia : 2.0	AT&T : 2.0	---
Andorra	Telia : 5.0	AT&T : 1.0	---
Andorra - Mobile	Telia : 5.0	AT&T : 1.0	---
Angola	Telia : 5.0	AT&T : 5.0	---
Angola - Mobile	Telia : 2.0	AT&T : 9.0	---
Anguilla	Telia : Unknown	---	---
Antigua and Barbuda	Telia : Unknown	---	---
Antigua and Barbuda - Mobile	Telia : Unknown	---	---
Argentina	Telia : Unknown	---	---
Argentina - Buenos Aires	Telia : Unknown	---	---
Aruba	Telia : Unknown	---	---
Ascension	Telia : Unknown	---	---

WholePriceMatrix=true, CustomerId=1, PlanDate=2005-09-21 15:27:47, ChargeBand=Evening

**Destination Carrier Rates Matrix - View all carrier rates for each reference destination.**

Requested Margin | Maximum Retail Rates | Minimum ASR Quality | Exclusions | Overrides

Default maximum ASR difference: 25.0 %  
 Default minimum ASR value: 0.0 %

Reference Destination	Maximum ASR Difference	Minimum ASR Value
Afghanistan	20.00	0.00
Albania	56.00	0.00
Canada	40.00	0.00
China	60.00	0.00

**Constraints for Plan Types - Constraints include exclu-**

## Deployment Options:

**On Demand:** A hosted version of the application using secure internet connections for access. Quick, simple and low in cost to set up, charged on a per user basis.

**On Appliance:** A turnkey delivery on the appropriate hardware which is managed on the customers behalf. Can be installed in the NovaTel data centre or in the customers own.

**On Site:** Outright purchase or lease of the application by the customer and installed on the customers own infrastructure.

*Planner can be deployed with any commercially available relational database, ORACLE, DB2, Sybase or MySQL.*



**Planner** is part of the Control Centre Suite of Applications. Other applications in the suite are **Stat**, **Switch**, **Money** and **Roam Tracker**.

## ABOUT NOVATEL SYSTEMS

NovaTel Systems, founded in 1998, is a UK based software applications and services company specialising in the development and deployment of analytical and management solutions for the telecommunication industry.

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