

Increase Optimization ROI

OptPCS™ Ericsson WNCS delivers unmatched productivity gains to engineers troubleshooting and optimizing complex multi-band, multi-vendor 2G/3G networks (4G/LTE planned). OptPCS™ Ericsson WNCS allows users to ftp files from the OSS inside the tool and process data for each market down to the cell level. The WNCS data can be exported and reused between engineers or departments to increase the value of the data collected and processed. OptPCS™ allows engineers to store multiple recordings to increase sample size for accurate neighbor optimization. Engineers can now focus on solving missing neighbors, optimizing defined neighbor lists and reprioritizing neighbors.

- ◇ Archived recordings for increased accuracy in neighbor list optimization.
- ◇ User-defined thresholds to fine-tune potential neighbor additions or deletions.
- ◇ Segmentation of pilot polluters from missing neighbors.
- ◇ Advanced priority indexing algorithm utilizing recorded data to optimize existing and proposed neighbor lists.

Cell	ProbCell	Relation	Distance	RLAttempts	TimeInActiveSet	NumEvents	NumDrops	ctAttempt	PctRelativeUsage	Analysis
CASDU00822	CASDU0385Z	Undefined	N/A	5	41	46	0	10.87	10.64	Missing Neighbor
CASDU0488Z	CANLU0633X	Undefined	N/A	14	109	124	0	11.29	37.84	Missing Neighbor
CASDU0652Y	CASDU0111Z	Undefined	N/A	4	30	34	0	11.76	26.67	Missing Neighbor
CASDU0442Z	CASDU0515Y	Undefined	N/A	11	77	92	0	11.96	32.35	Missing Neighbor
CASDU0438A	CASDU0323B	Undefined	N/A	4	28	33	0	12.12	17.39	Missing Neighbor
CASDU0465Z	CASDU0412Z	Undefined	N/A	4	26	33	0	12.12	33.33	Missing Neighbor
CASDU0405C	CASDU3759C	Undefined	N/A	19	136	156	1	12.18	13.77	Missing Neighbor
CASDU0465X	CASDU0404Y	Undefined	N/A	5	36	41	0	12.20	50.00	Missing Neighbor
CASDU0479B	CASDU0384B	Undefined	N/A	3	19	24	0	12.50	13.04	Missing Neighbor
CASDU0739Y	CASDU0384Z	Undefined	N/A	9	59	69	0	13.04	20.45	Missing Neighbor
CASDU0433A	CASDU0048A	Undefined	N/A	4	26	30	0	13.33	44.44	Missing Neighbor

Cell	ProbCell	Relation	Distance	RLAttempts	TimeInActiveSet	NumEvents	NumDrops	PctAttempts	PctRelativeUsage	Analysis
CASDU0498X	CASDU0522Y	Undefined	N/A	1	23	25	0	4.00	1.43	Pilot Polluter
CASDU0739Y	CASDU0222Y	Undefined	N/A	1	10	13	0	7.69	2.27	Pilot Polluter
CNU0682Y	CNU0949X	Undefined	N/A	1	17	18	0	5.56	0.07	Pilot Polluter
CNU1207X	CNU1651Y	Undefined	N/A	17	279	298	0	5.70	0.04	Pilot Polluter
CNU1433Z	CNU1474Y	Undefined	N/A	18	200	220	0	8.18	0.17	Pilot Polluter
CNU1632Y	CNU1651X	Undefined	N/A	1	11	13	0	7.69	0.01	Pilot Polluter
CNU1658A	CNU1208A	Undefined	N/A	1	6	16	0	6.25	0.02	Pilot Polluter
CNU1662A	CNU1678A	Undefined	N/A	1	13	14	0	7.14	0.01	Pilot Polluter
CNU1663B	CNU1633B	Undefined	N/A	25	268	290	0	8.62	0.35	Pilot Polluter
CNU1678A	CNU1685A	Undefined	N/A	1	10	11	0	9.09	0.03	Pilot Polluter
CNU1679C	CNU1663B	Undefined	N/A	8	98	112	0	7.14	0.07	Pilot Polluter

Single Point of Access to all your Data

OptPCS™ an access all WNCS scheduled recordings, either the latest or archived recordings, from one centralized location. From a single interface, OptPCS™ users can overlay WNCS data with drive test data, other switch recorded data, network topology (both physical and software parameters) and performance statistics necessary to troubleshoot complex network issues.

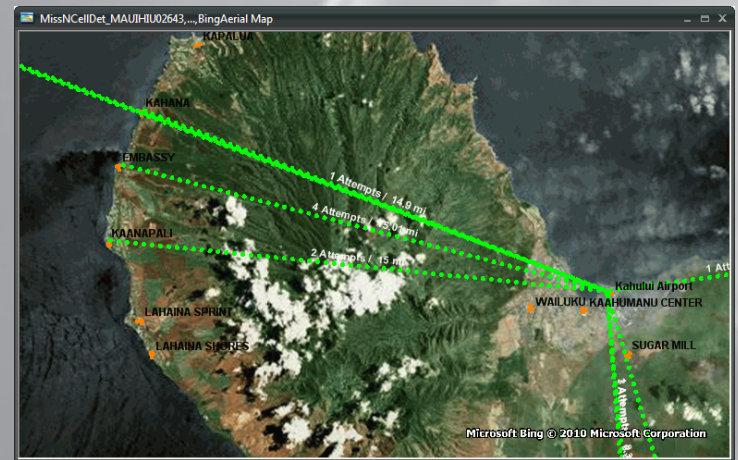
- ◇ Works with TEMS™ Investigation, TEMS™ Classic, Nokia NEMO, Invex3G, DTI Scanner, Xtel, Agilent, Swissqual, Ascom, Wider and ZK Celltest as well as other vendors' drive data collection tools with an open file format.
- ◇ Supports multi-band, multi-vendor network infrastructure and switch data and recordings from Ericsson, Nortel, Nokia, and Alcatel-Lucent.



Ericsson 3G WNCS

Identify Missing Neighbors to Add

OptPCS™ Ericsson WNCS will find missing neighbors by estimating the probable time the missing neighbor could have been in the active set and the probable number of radio link attempts. Utilizing user-defined thresholds and OptPCS™ powerful processing capability, engineers have actionable information to improve their neighbor lists.



Target Defined Neighbors to Delete

Identifying neighbor cells to delete or retain can be an exercise of nerves. OptPCS™ alleviates that tension with WNCS Excess Cell Analysis. This feature allows users to set thresholds for a combination of radio link attempts and relative neighbor relationship usage percentage to determine if a particular neighbor relationship is of high value. The more WNCS recordings an engineer stores in OptPCS™, the better the accuracy in determining which neighbors to delete and which to retain.

Reprioritize Neighbors for Peak Performance

Neighbor priorities determine which neighbors will have preference in the active set in order to carry out successful handovers. OptPCS™ will determine which neighbors are the best to carry out that mission by utilizing WNCS radio link attempt and relative usage statistics to build a high performing priority index. OptPCS™ allows engineers to collect and store multiple recordings over various periods of the day, to improve the quality of the priority index.

Telecom Technology Services, Inc.