

# LEAST COST ROUTING WORKSHOP

## Oregon Public Utilities Commission

### June 24, 2011

OPUC WORKSHOP on LEAST COST ROUTING JUNE 22, 2011

Gervais August 2009

Terminating Usage	MSGS	MOU	TRK GRP Name	
74	6,365	24,600.3	Wood Burn EAS	Qwest
ea	4,896	24,409.5		
unanswered	1,278	-		
unbillable	1	0.4		
clac	190	250.4		
93	129,072	239,896.4	PTLD Toll	Qwest
<b>cabo-nock</b>	<b>21,316</b>	<b>53,614.3</b>		
ea	9,411	33,925.5		
unanswered	28,061	-		
wireless	38,266	123,068.8		
clac	32,018	29,287.8		
114	132	168.6	Salem EAS	Qwest
ea	82	127.2		
unanswered	12	-		
clac	38	81.3		
<b>Grand Total</b>	<b>135,568</b>	<b>264,725.3</b>		

Analysis

Portland Toll Trunk Group

Terminating Usage	MSGS	MOU	HT
<b>cabo-nock</b>	<b>21,316</b>	<b>53,614.3</b>	<b>2.52</b>
ea	9,411	33,925.5	3.60
wireless	38,266	123,068.8	3.22
clac	32,018	29,287.8	0.91
Un-Identifiable			

Qwest EAS Trunk Groups

Terminating Usage	MSGS	MOU	HT
<b>cabo-nock</b>			
ea	4,978	24,536.7	4.93
wireless			
clac	228	291.7	1.28
Un-Identifiable	1	0.4	0.40

All Trunk Groups

Terminating Usage	MSGS	MOU	HT
wireless (TPM)	38,266	123,068.8	3.22
clac (TPM)	32,246	29,579.5	0.92
Un-Identifiable	1	0.4	0.40
<b>Grand Total</b>	<b>70,513</b>	<b>152,648.7</b>	

TPM = "Terminating Point Master" used to look up the Originating OCN based on the From Number on the Call Record.  
 Un-Identifiable = No From Number Information  
 HT = Holding Time - MOU/Call - Average MOU per Call for this study

Gervais September 2009

Terminating Usage	MSGS	MOU	TRK GRP Name	
74	5,850	19,532.3	Wood Burn EAS	Qwest
ea	4,556	19,210.2		
unanswered	1,076	-		
unbillable	9	1.6		
wireless	1	0.1		
clac	208	320.4		
93	120,018	233,483.3	PTLD Toll	Qwest
<b>cabo-nock</b>	<b>21,962</b>	<b>58,992.7</b>		
ea	9,418	32,545.2		
unanswered	24,756	-		
wireless	36,892	116,274.3		
clac	26,990	25,671.1		
114	180	272.4	Salem EAS	Qwest
ea	106	158.1		
unanswered	28	-		
clac	46	114.3		
<b>Grand Total</b>	<b>126,048</b>	<b>253,288.0</b>		

Analysis

Portland Toll Trunk Group

Terminating Usage	MSGS	MOU	HT
<b>cabo-nock</b>	<b>21,962</b>	<b>58,992.7</b>	<b>2.69</b>
ea	9,418	32,545.2	3.46
wireless	36,892	116,274.3	3.15
clac	26,990	25,671.1	0.95
Un-Identifiable			

Qwest EAS Trunk Groups

Terminating Usage	MSGS	MOU	HT
<b>cabo-nock</b>			
ea	4,662	19,568.3	4.15
wireless	1	0.1	0.09
clac	47	114.4	2.43
Un-Identifiable	9	1.6	0.18

All Trunk Groups

Terminating Usage	MSGS	MOU	HT
wireless (TPM)	36,893	116,274.4	3.15
clac (TPM)	27,037	25,785.5	0.95
Un-Identifiable	9	1.6	0.18
<b>Grand Total</b>	<b>63,939</b>	<b>142,061.5</b>	

Gervais October 2009

Terminating Usage	MSGS	MOU	TRK GRP Name	
74	5,955	19,157.4	Wood Burn EAS	Qwest
ea	4,528	18,816.2		
unanswered	1,189	-		
unbillable	9	16.0		
wireless	1	0.5		
clac	228	324.7		
93	119,985	234,501.2	PTLD Toll	Qwest
<b>cabo-nock</b>	<b>21,011</b>	<b>58,263.1</b>		
ea	9,342	32,055.5		
unanswered	23,746	-		
wireless	36,743	117,038.9		
clac	29,143	27,143.7		
114	142	198.3	Salem EAS	Qwest
ea	95	160.9		
unanswered	9	-		
clac	38	37.4		
<b>Grand Total</b>	<b>126,082</b>	<b>253,856.9</b>		

Analysis

Portland Toll Trunk Group

Terminating Usage	MSGS	MOU	HT
<b>cabo-nock</b>	<b>21,011</b>	<b>58,263.1</b>	<b>2.77</b>
ea	9,342	32,055.5	3.43
wireless	36,743	117,038.9	3.19
clac	29,143	27,143.7	0.93
Un-Identifiable			

Qwest EAS Trunk Groups

Terminating Usage	MSGS	MOU	HT
<b>cabo-nock</b>			
ea	4,623	18,977.0	4.30
wireless	1	0.5	0.49
clac	39	37.9	0.97
Un-Identifiable	9	16.0	1.76

All Trunk Groups

Terminating Usage	MSGS	MOU	HT
wireless (TPM)	36,744	117,039.4	3.19
clac (TPM)	29,182	27,181.6	0.93
Un-Identifiable	9	16.0	1.76
<b>Grand Total</b>	<b>65,935</b>	<b>144,237.0</b>	



## Gervais August 2009

Terminating Usage	MSGS	MOU	TRK GRP Name	
<b>74</b>	<b>6,365</b>	<b>24,660.3</b>	<b>Wood Burn EAS</b>	<b>Qwest</b>
eas	4,896	24,409.5		
unanswered	1,278	-		
unbillable	1	0.4		
clec	190	250.4		
<b>93</b>	<b>129,072</b>	<b>239,896.4</b>	<b>PTLD Toll</b>	<b>Qwest</b>
<b>cabs-nocic</b>	<b>21,316</b>	<b>53,614.3</b>		
eas	9,411	33,925.5		
unanswered	28,061	-		
wireless	38,266	123,068.8		
clec	32,018	29,287.8		
<b>114</b>	<b>132</b>	<b>168.6</b>	<b>Salem EAS</b>	<b>Qwest</b>
eas	82	127.2		
unanswered	12	-		
clec	38	41.3		
<b>Grand Total</b>	<b>135,569</b>	<b>264,725.3</b>		

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HT = Holding Time - MOU/Call - Average MOU per Call for this study

<b>Gervais September 2009</b>				
<b>Terminating Usage</b>	<b>MSGS</b>	<b>MOU</b>	<b>TRK GRP Name</b>	
<b>74</b>	<b>5,850</b>	<b>19,532.3</b>	<b>Wood Burn EAS</b>	<b>Qwest</b>
eas	4,556	19,210.2		
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<b>93</b>	<b>120,018</b>	<b>233,483.3</b>	<b>PTLD Toll</b>	<b>Qwest</b>
<b>cabs-nocic</b>	<b>21,962</b>	<b>58,992.7</b>		
eas	9,418	32,545.2		
unanswered	24,756	-		
wireless	36,892	116,274.3		
clec	26,990	25,671.1		
<b>114</b>	<b>180</b>	<b>272.4</b>	<b>Salem EAS</b>	<b>Qwest</b>
eas	106	158.1		
unanswered	28	-		
clec	46	114.3		
<b>Grand Total</b>	<b>126,048</b>	<b>253,288.0</b>		

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<b>cabs-nocic</b>	<b>21,011</b>	<b>58,263.1</b>		
eas	9,342	32,055.5		
unanswered	23,746	-		
wireless	36,743	117,038.9		
clec	29,143	27,143.7		
<b>114</b>	<b>142</b>	<b>198.3</b>	<b>Salem EAS</b>	<b>Qwest</b>
eas	95	160.9		
unanswered	9	-		
clec	38	37.4		
<b>Grand Total</b>	<b>126,082</b>	<b>253,856.9</b>		

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August 2009

<b>Analysis</b>			
<b>Portland Toll Trunk Group</b>			
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eas	9,411	33,925.5	3.60
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<b>Qwest EAS Trunk Groups</b>			
Terminating Usage	MSGS	MOU	HT
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<b>All Trunk Groups</b>			
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Un-Identifiable	1	0.4	0.40
	<b>70,513</b>	<b>152,648.7</b>	

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September 2009

<b>Analysis</b>			
<b>Portland Toll Trunk Group</b>			
<b>Terminating Usage</b>	<b>MSG5</b>	<b>MOU</b>	<b>HT</b>
<b>cabs-nocic</b>	21,962	58,992.7	2.69
<b>eas</b>	9,418	32,545.2	3.46
<b>wireless</b>	36,892	116,274.3	3.15
<b>clec</b>	26,990	25,671.1	0.95
<b>Un-Identifiable</b>			
<b>Qwest EAS Trunk Groups</b>			
<b>Terminating Usage</b>	<b>MSG5</b>	<b>MOU</b>	<b>HT</b>
<b>cabs-nocic</b>			
<b>eas</b>	4,662	19,368.3	4.15
<b>wireless</b>	1	0.1	0.09
<b>clec</b>	47	114.4	2.43
<b>Un-Identifiable</b>	9	1.6	0.18
<b>All Trunk Groups</b>			
<b>Terminating Usage</b>	<b>MSG5</b>	<b>MOU</b>	<b>HT</b>
<b>wireless (TPM)</b>	36,893	116,274.4	3.15
<b>clec (TPM)</b>	27,037	25,785.5	0.95
<b>Un-Identifiable</b>	9	1.6	0.18
	<b>63,939</b>	<b>142,061.5</b>	

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October 2009

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<b>cabs-nocic</b>	<b>21,011</b>	<b>58,263.1</b>	<b>2.77</b>
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<b>Gervais CLEC Terminating Calls by OCN</b>		
<b>OCN</b>	<b>From Number</b>	<b>Calls</b>
2XXX	503 34X-XXXX	16
3XXX	Various (POTS)	1,721
4XXX	Various (POTS)	528
4YYY	Various (POTS)	584
7XX9	Various (POTS)	1
71XX	Various (POTS)	39
71YY	Various (POTS)	106
72XX	Various (POTS)	104
<b>7XXX</b>	<b>503 42X-XXXX</b>	<b>7,409</b>
"	Various (POTS)	55
7YYY	Various (POTS)	21
8XXX	503 536-8300	6
8YYY	503 646-1111	8
9ZZZ	Various (POTS)	52
XXXX	Various (POTS)	18

## SUMMARY

Gervais Telephone Company contracted with Time Data Corporation in 2009 to gather traffic data from its DMS-10 switch in Gervais, Oregon. Throughout the fourth quarter of 2009, traffic data was gathered for all terminating calls on the switch.

- The largest source of terminating CLEC calls is from one CLEC, terminating 7,409 messages in the study month, or 11% of all CLEC and wireless terminating messages combined – and all from one number (503 42X-XXXX).
- Of all the CLEC and Wireless Minutes of Use that are terminating on all the trunk groups, over 40% (58,993/142,062) contain no CIC code to identify the originating IXC and are unbillable.

The data are very consistent with the data in Canby's study.

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