

LAMPIRAN A
DATA TEKNIS PER RK/DP

NO	DATEI	STO	RK	PRIME	KLEM	NOTE	SPEED BIN	LOOP LENGTH	LONG BALANCE	INSERTION LOST	TIME UKUR	LINE ATTENUATION	SNRM
1	BD	ANI	RA	43	301	226004665	6496	4100	NA	41	19-DEC-09	24.24	22
2	BD	ANI	RA	43	302	226006153	7264	2700	65	37	19-DEC-09	23.88	22.929
3	BD	ANI	RA	43	303	226078812	8128	2100	NA	32	19-DEC-09	22.93	24.048
4	BD	ANI	RA	43	304	226078418	U	3700	NA	NA	19-DEC-09	23.18	
5	BD	ANI	RA	43	305	226078766	8128	NA	65	30	19-DEC-09	25.48	24.329
6	BD	ANI	RA	43	306	226079355	U	NA	NA	NA	19-DEC-09	25.48	
7	BD	ANI	RA	43	307	226035806	U	4000	NA	NA	19-DEC-09	23.88	
8	BD	ANI	RA	43	308	226127899	U	4000	NA	NA	19-DEC-09	24.69	
9	BD	ANI	RA	43	309	226007187	U	NA	NA	NA	19-DEC-09	22.63	
10	BD	ANI	RA	43	310	No. Kosong	U	3500	NA	NA	19-DEC-09	26.12	
11	BD	ANI	RA	43	311	226078829	U	2900	NA	NA	19-DEC-09	24.35	
12	BD	ANI	RA	43	312	226078702	U	3000	NA	NA	19-DEC-09	24.16	
13	BD	ANI	RA	43	313	226007193	8064	NA	NA	33	19-DEC-09	23.64	23.88
14	BD	ANI	RA	43	314	226011427	7264	3000	65	37	19-DEC-09	24.32	22.929
15	BD	ANI	RA	43	315	226073634	8128	2900	65	32	19-DEC-09	23.66	24.048
16	BD	ANI	RA	43	316	2.286E+09	U	2900	NA	NA	19-DEC-09	26.84	
17	BD	ANI	RA	43	317	226046280	1248	3000	NA	NA	19-DEC-09	25.98	
18	BD	ANI	RA	43	318	226079311	U	3000	NA	NA	19-DEC-09	23.78	
19	BD	ANI	RA	43	319	226032789	8064	2900	65	33	19-DEC-09	21.33	23.88
20	BD	ANI	RA	43	320	226020688	U	2900	NA	NA	19-DEC-09	29.84	
21	BD	ANI	RA	43	321	226078251	U	NA	NA	NA	19-DEC-09	26.38	
22	BD	ANI	RA	43	322	226075108	U	NA	NA	NA	19-DEC-09	23.56	
23	BD	ANI	RA	43	323	2.286E+09	U	2900	NA	NA	19-DEC-09	24.52	
24	BD	ANI	RA	43	324	226021699	U	2800	NA	NA	19-DEC-09	25.66	
25	BD	ANI	RA	43	325	226002771	U	2900	NA	NA	19-DEC-09	28.84	
26	BD	ANI	RA	43	326	226079042	7040	NA	NA	38	19-DEC-09	23.34	22.678
27	BD	ANI	RA	43	327	226001699	7264	NA	65	37	19-DEC-09	23.41	22.929
28	BD	ANI	RA	43	328	226078939	8064	3000	NA	33	19-DEC-09	23.65	23.88
29	BD	ANI	RA	43	329	226017197	8000	NA	65	34	19-DEC-09	23.58	23.716
30	BD	ANI	RA	43	330	226074319	6816	NA	NA	39	19-DEC-09	24.22	22.425
31	BD	ANI	RA	43	331	226035733	6496	NA	NA	41	19-DEC-09	31.08	21.998
32	BD	ANI	RA	43	332	226078780	7520	2400	65	36	19-DEC-09	26.58	23.199
33	BD	ANI	RA	43	333	No. Kosong	U	2400	NA	NA	19-DEC-09	26.95	
34	BD	ANI	RA	43	334	226074703	7744	2300	65	35	19-DEC-09	29.63	23.449
35	BD	ANI	RA	43	335	226074798	8000	1900	NA	34	19-DEC-09	22.45	23.716
36	BD	ANI	RA	43	336	No. Kosong	7264	2300	NA	37	19-DEC-09	29.84	22.929
37	BD	ANI	RA	43	337	226073762	7520	2400	NA	36	19-DEC-09	21.35	23.199
38	BD	ANI	RA	43	338	226073293	8000	2400	65	34	19-DEC-09	26.65	23.716
39	BD	ANI	RA	43	339	226078842	6496	2900	NA	41	19-DEC-09	23.84	21.654
40	BD	ANI	RA	43	340	226021742	U	2800	NA	NA	19-DEC-09	27.64	
41	BD	ANI	RA	43	341	226074621	5632	3600	65	44	19-DEC-09	21.66	21.199
42	BD	ANI	RA	43	342	226018110	U	NA	NA	NA	19-DEC-09	30.84	
43	BD	ANI	RA	43	343	No. Kosong	U	NA	NA	NA	19-DEC-09	26.65	
44	BD	ANI	RA	43	344	226074784	2016	3000	NA	64	19-DEC-09	23.87	14.983
45	BD	ANI	RA	43	345	226036376	352	3000	NA	NA	19-DEC-09	26.35	
46	BD	ANI	RA	43	346	226040837	7744	2900	55	35	19-DEC-09	29.44	23.449
47	BD	ANI	RA	43	347	2.286E+09	7744	3000	NA	35	19-DEC-09	21.56	23.449
48	BD	ANI	RA	43	348	226070033	U	3000	NA	NA	19-DEC-09	23.58	
49	BD	ANI	RA	43	349	226006548	U	2700	NA	NA	19-DEC-09	24.65	
50	BD	ANI	RA	43	350	226078926	3808	2900	65	53	19-DEC-09	23.87	18.564

51	BD	ANI	RA	43	351	226020714	U		2800	NA		NA		19-DEC-09		26.54	
52	BD	ANI	RA	43	352	226127556		3520	2800		65		54	19-DEC-09		28.37	18.141
53	BD	ANI	RA	43	353	226020616		4064	2900		65		52	19-DEC-09		21.66	18.929
54	BD	ANI	RA	43	354	No. Kosong	U		2900	NA		NA		19-DEC-09		23.45	
55	BD	ANI	RA	43	355	226032000		8000	NA		NA		34	19-DEC-09		26.36	23.716
56	BD	ANI	RA	43	356	226123757	U		2300	NA		NA		19-DEC-09		25.68	
57	BD	ANI	RA	43	357	226127520		8128	2600		65		30	19-DEC-09		23.48	24.329
58	BD	ANI	RA	43	358	226127373		7264	2600		65		37	19-DEC-09		26.54	22.929
59	BD	ANI	RA	43	359	226123911		8064	NA		65		33	19-DEC-09		25.98	23.88
60	BD	ANI	RA	43	360	No. Kosong		8000		3200		65	34	19-DEC-09		21.57	23.716
61	BD	ANI	RA	43	361	226127548		8128	NA		65		32	19-DEC-09		24.36	24.048
62	BD	ANI	RA	43	362	226020250		7040		3100	NA		38	19-DEC-09		27.35	22.678
63	BD	ANI	RA	43	363	226020597		8128	NA		NA		32	19-DEC-09		21.54	24.048
64	BD	ANI	RA	43	364	226127377		4224	NA		65		51	19-DEC-09		23.65	19.182
65	BD	ANI	RA	43	365	226123840		8128	NA		NA		31	19-DEC-09		28.65	24.186
66	BD	ANI	RA	43	366	226123699		8064	NA		NA		33	19-DEC-09		24.68	23.88
67	BD	ANI	RA	43	367	226127532	U		NA		NA		NA	19-DEC-09		23.12	
68	BD	ANI	RA	43	368	226020615		8000	NA		NA		34	19-DEC-09		29.65	23.716
69	BD	ANI	RA	43	369	226020609		8128		4000	NA		30	19-DEC-09		25.45	24.329
70	BD	ANI	RA	43	370	No. Kosong		3808		3900		65	53	19-DEC-09		25.78	18.564
71	BD	ANI	RA	43	371	226020431		8128		3300	NA		32	19-DEC-09		26.98	24.048
72	BD	ANI	RA	43	372	226040308		8064		3400		65	33	19-DEC-09		25.64	23.88
73	BD	ANI	RA	43	373	226127567	U		2900	NA		NA		19-DEC-09		21.62	
74	BD	ANI	RA	43	374	226020618		8000	NA		65		34	19-DEC-09		23.65	23.716
75	BD	ANI	RA	43	375	226127319		8064		2300	NA		33	19-DEC-09		25.15	23.88
76	BD	ANI	RA	43	376	226017778		8128	NA		65		32	19-DEC-09		28.65	24.408
77	BD	ANI	RA	43	377	No. Kosong		3520		3000	NA		54	19-DEC-09		24.21	18.141
78	BD	ANI	RA	43	378	No. Kosong		8064		2900	NA		33	19-DEC-09		26.35	23.88
79	BD	ANI	RA	43	379	No. Kosong		7744		3300		65	35	19-DEC-09		25.84	23.449
80	BD	ANI	RA	43	380	226037096		8000		3300	NA		34	19-DEC-09		29.84	23.716
81	BD	ANI	RA	43	381	226127425		7744		3400	NA		35	19-DEC-09		21.64	23.449
82	BD	ANI	RA	43	382	226004369		7520		3400	NA		36	19-DEC-09		25.61	23.199
83	BD	ANI	RA	43	383	No. Kosong		7744	NA		65		35	19-DEC-09		28.65	23.449
84	BD	ANI	RA	43	384	No. Kosong		8064	NA		65		33	19-DEC-09		23.45	23.88
85	BD	ANI	RA	43	385	226077610		7744	NA		NA		35	19-DEC-09		25.36	23.449
86	BD	ANI	RA	43	386	No. Kosong		704	NA		NA		NA	19-DEC-09		21.02	
87	BD	ANI	RA	43	387	No. Kosong		8128	NA			57	32	19-DEC-09		26.62	24.808
88	BD	ANI	RA	43	388	226127540		7264	NA		65		37	19-DEC-09		24.15	22.929
89	BD	ANI	RA	43	389	No. Kosong		8064		2700	NA		33	19-DEC-09		21.84	23.88
90	BD	ANI	RA	43	390	No. Kosong		480		3400		65	NA	19-DEC-09		29.63	
91	BD	ANI	RA	43	391	No. Kosong		8064	NA		NA		33	19-DEC-09		21.33	23.88
92	BD	ANI	RA	43	392	226035892		7744		3300		65	35	19-DEC-09		26.64	23.449
93	BD	ANI	RA	43	393	226004054		8128	NA			65	32	19-DEC-09		29.11	23.449
94	BD	ANI	RA	43	394	226077920		4640		3100		65	49	19-DEC-09		26.62	19.763
95	BD	ANI	RA	43	395	No. Kosong		704		2900		65	NA	19-DEC-09		22.63	
96	BD	ANI	RA	43	396	No. Kosong		7264		2900	NA		37	19-DEC-09		28.64	22.929
97	BD	ANI	RA	43	397	No. Kosong		7040		3700		65	38	19-DEC-09		21.34	22.678
98	BD	ANI	RA	43	398	226002367	U		NA		NA		NA	19-DEC-09		22.92	
99	BD	ANI	RA	43	399	226045959		7744		4000	NA		35	19-DEC-09		30.16	23.449
100	BD	ANI	RA	43	400	226021684		8128		2900	NA		30	19-DEC-09		20.62	24.328

NO	DATE	STO	RK	PRIME	KLEM	NOTEL	SPEED BIN	LOOP LENGTH	LONG BALANCE	INSERTION LOST	TIME UKUR	LINE ATTENUATION	SNRM	
1	BD	ANI	RS	22	1801	227204975	7744	3900	NA		35	02-DEC-09	26.35	23.449
2	BD	ANI	RS	22	1802	227205530	960	4600	65	NA		02-DEC-09	24.65	
3	BD	ANI	RS	22	1803	227205048	4416	4100	NA		50	02-DEC-09	21.22	19.46
4	BD	ANI	RS	22	1804	227215632	4064	2700	65		52	02-DEC-09	22.36	18.295
5	BD	ANI	RS	22	1805	No. Kosong	8000	2100	NA	NA		02-DEC-09	25.68	
6	BD	ANI	RS	22	1806	227204932	7744	3700	65		35	02-DEC-09	26.35	23.449
7	BD	ANI	RS	22	1807	227205384	U	NA	NA	NA		02-DEC-09	23.35	
8	BD	ANI	RS	22	1808	227205092	U	NA	NA	NA		02-DEC-09	26.54	
9	BD	ANI	RS	22	1809	227204662	3520	4000	NA		54	02-DEC-09	29.84	18.141
10	BD	ANI	RS	22	1810	227204905	7520	4000	65		36	02-DEC-09	21.35	23.199
11	BD	ANI	RS	22	1811	227206246	U	NA	NA	NA		02-DEC-09	26.73	
12	BD	ANI	RS	22	1812	227204988	8128	3500	65		31	02-DEC-09	24.35	24.186
13	BD	ANI	RS	22	1813	227271952	8128	2900	65		27	02-DEC-09	26.05	24.786
14	BD	ANI	RS	22	1814	227204704	8128	3000	NA		26	02-DEC-09	21.65	24.95
15	BD	ANI	RS	22	1815	227204823	U	NA	65	NA		02-DEC-09	23.21	
16	BD	ANI	RS	22	1816	227204870	8128	3000	65		26	02-DEC-09	25.64	24.95
17	BD	ANI	RS	22	1817	227204836	8128	2900	NA		26	02-DEC-09	23.37	24.95
18	BD	ANI	RS	22	1818	227204754	5824	2900	65	NA		02-DEC-09	21.46	
19	BD	ANI	RS	22	1819	227204772	3808	3000	65		53	02-DEC-09	28.74	18.564
20	BD	ANI	RS	22	1820	227205138	8128	3000	NA		27	02-DEC-09	30.61	24.786
21	BD	ANI	RS	22	1821	227204831	3296	2900	NA		56	02-DEC-09	24.33	17.698
22	BD	ANI	RS	22	1822	227204844	8128	2900	NA		28	02-DEC-09	21.86	24.628
23	BD	ANI	RS	22	1823	227204763	U	NA	NA	NA		02-DEC-09	25.63	
24	BD	ANI	RS	22	1824	227204751	U	NA	NA	NA		02-DEC-09	24.62	
25	BD	ANI	RS	22	1825	227204726	8128	2900	65		25	02-DEC-09	21.64	25.12
26	BD	ANI	RS	22	1826	227204770	5824	2800	NA	NA		02-DEC-09	26.98	
27	BD	ANI	RS	22	1827	227204715	3200	2900	65		57	02-DEC-09	28.78	17.492
28	BD	ANI	RS	22	1828	227205743	U	NA	NA	NA		02-DEC-09	21.68	
29	BD	ANI	RS	22	1829	227208130	U	NA	NA	NA		02-DEC-09	23.51	
30	BD	ANI	RS	22	1830	227205071	4672	3000	65	NA		02-DEC-09	21.92	
31	BD	ANI	RS	22	1831	227232165	U	NA	NA	NA		02-DEC-09	26.86	
32	BD	ANI	RS	22	1832	227204838	U	NA	NA	NA		02-DEC-09	24.69	
33	BD	ANI	RS	22	1833	227205210	U	NA	NA	NA		02-DEC-09	20.91	
34	BD	ANI	RS	22	1834	227204759	8064	2400	65		33	02-DEC-09	26.49	23.88
35	BD	ANI	RS	22	1835	227204730	5120	2400	65		47	02-DEC-09	21.33	20.371
36	BD	ANI	RS	22	1836	227204711	3296	2300	65		56	02-DEC-09	24.65	17.698
37	BD	ANI	RS	22	1837	227275573	8128	1900	NA		23	02-DEC-09	23.81	25.482
38	BD	ANI	RS	22	1838	227204713	8128	2300	65		26	02-DEC-09	23.99	24.95
39	BD	ANI	RS	22	1839	227204829	8000	2400	NA	NA		02-DEC-09	27.63	
40	BD	ANI	RS	22	1840	227204821	8128	2400	NA		25	02-DEC-09	22.92	25.12
41	BD	ANI	RS	22	1841	227204766	5824	2900	65	NA		02-DEC-09	25.68	
42	BD	ANI	RS	22	1842	227204708	8128	2800	NA		26	02-DEC-09	23.92	24.95
43	BD	ANI	RS	22	1843	227204819	8128	3600	NA		30	02-DEC-09	28.31	24.328
44	BD	ANI	RS	22	1844	227205062	U	NA	NA	NA		02-DEC-09	21.64	
45	BD	ANI	RS	22	1845	227204706	U	NA	64	NA		02-DEC-09	23.59	
46	BD	ANI	RS	22	1846	227204703	8128	3000	NA		26	02-DEC-09	21.62	24.95
47	BD	ANI	RS	22	1847	227204855	4672	3000	65	NA		02-DEC-09	25.95	
48	BD	ANI	RS	22	1848	227204853	8128	2900	65		27	02-DEC-09	24.68	24.786
49	BD	ANI	RS	22	1849	227204847	8128	3000	65		27	02-DEC-09	21.84	24.786

50	BD	ANI	RS	22	1850	227208044	3296	3000	65	56	02-DEC-03	26.35	17.637
51	BD	ANI	RS	22	1851	227204731	8128	2700	65	23	02-DEC-03	21.61	25.482
52	BD	ANI	RS	22	1852	227274473	3392	2900	65	55	02-DEC-03	23.32	17.3
53	BD	ANI	RS	22	1853	227275188	2592	2800	65	60	02-DEC-03	26.68	16.354
54	BD	ANI	RS	22	1854	No. Kosong	8128	2800	65	25	02-DEC-03	21.92	25.12
55	BD	ANI	RS	22	1855	227205136	3296	2900	65	56	02-DEC-03	28.73	17.637
56	BD	ANI	RS	22	1856	227204714	8128	2900	65	27	02-DEC-03	23.98	24.864
57	BD	ANI	RS	22	1857	No. Kosong	U	NA	NA	NA	02-DEC-03	23.65	
58	BD	ANI	RS	22	1858	227201650	8064	2300	NA	33	02-DEC-03	28.64	23.88
59	BD	ANI	RS	22	1859	227217417	3520	2600	65	54	02-DEC-03	25.94	18.141
60	BD	ANI	RS	22	1860	227204773	7520	2600	65	36	02-DEC-03	21.38	23.199
61	BD	ANI	RS	22	1861	227205115	U	NA	NA	NA	02-DEC-03	26.45	
62	BD	ANI	RS	22	1862	No. Kosong	8128	3200	NA	27	02-DEC-03	20.39	24.786
63	BD	ANI	RS	22	1863	227205246	8128	NA	NA	19	02-DEC-03	21.34	26.312
64	BD	ANI	RS	22	1864	227213826	8128	3100	NA	28	02-DEC-03	26.06	24.628
65	BD	ANI	RS	22	1865	No. Kosong	U	NA	NA	NA	02-DEC-03	24.25	
66	BD	ANI	RS	22	1866	No. Kosong	U	NA	NA	NA	02-DEC-03	21.35	
67	BD	ANI	RS	22	1867	227205063	U	NA	NA	NA	02-DEC-03	26.73	
68	BD	ANI	RS	22	1868	227205840	U	NA	NA	NA	02-DEC-03	24.35	
69	BD	ANI	RS	22	1869	227275658	U	NA	NA	NA	02-DEC-03	26.05	
70	BD	ANI	RS	22	1870	227205862	U	NA	NA	NA	02-DEC-03	21.65	
71	BD	ANI	RS	22	1871	227205855	8064	4000	65	33	02-DEC-03	23.21	23.88
72	BD	ANI	RS	22	1872	227275420	7520	3900	NA	36	02-DEC-03	25.64	23.199
73	BD	ANI	RS	22	1873	227206074	8128	3300	65	29	02-DEC-03	23.37	24.475
74	BD	ANI	RS	22	1874	227205783	8000	3400	65	34	02-DEC-03	21.46	23.716
75	BD	ANI	RS	22	1875	227210759	8128	2900	65	28	02-DEC-03	28.74	24.628
76	BD	ANI	RS	22	1876	227277427	U	NA	27	NA	02-DEC-03	30.61	
77	BD	ANI	RS	22	1877	No. Kosong	8128	2300	NA	19	02-DEC-03	24.33	26.312
78	BD	ANI	RS	22	1878	227206231	U	NA	NA	NA	02-DEC-03	21.86	
79	BD	ANI	RS	22	1879	227206251	8128	3000	65	29	02-DEC-03	25.63	24.475
80	BD	ANI	RS	22	1880	227232193	3808	2900	65	53	02-DEC-03	24.62	18.564
81	BD	ANI	RS	22	1881	227205852	8128	3300	65	28	02-DEC-03	21.64	24.628
82	BD	ANI	RS	22	1882	227205882	2592	3300	65	60	02-DEC-03	26.98	16.355
83	BD	ANI	RS	22	1883	227205836	3520	3400	65	NA	02-DEC-03	28.78	
84	BD	ANI	RS	22	1884	227201651	8128	3400	NA	27	02-DEC-03	21.68	24.786
85	BD	ANI	RS	22	1885	227203671	8128	NA	NA	30	02-DEC-03	23.51	24.328
86	BD	ANI	RS	22	1886	227275866	U	NA	NA	NA	02-DEC-03	21.92	
87	BD	ANI	RS	22	1887	227275870	U	NA	NA	NA	02-DEC-03	26.86	
88	BD	ANI	RS	22	1888	No. Kosong	U	NA	NA	NA	02-DEC-03	24.63	
89	BD	ANI	RS	22	1889	227205755	U	NA	NA	NA	02-DEC-03	20.31	
90	BD	ANI	RS	22	1890	No. Kosong	U	NA	NA	NA	02-DEC-03	26.43	
91	BD	ANI	RS	22	1891	227205811	4640	2700	NA	43	02-DEC-03	21.33	19.763
92	BD	ANI	RS	22	1892	227206289	8128	3400	65	32	02-DEC-03	24.65	24.048
93	BD	ANI	RS	22	1893	227232239	U	NA	NA	NA	02-DEC-03	23.81	
94	BD	ANI	RS	22	1894	227207005	8128	3300	NA	30	02-DEC-03	23.99	24.328
95	BD	ANI	RS	22	1895	227212756	U	NA	NA	NA	02-DEC-03	27.63	
96	BD	ANI	RS	22	1896	227206330	8128	3100	65	30	02-DEC-03	22.92	24.328
97	BD	ANI	RS	22	1897	227205980	3200	2900	65	57	02-DEC-03	25.68	17.432
98	BD	ANI	RS	22	1898	227205979	3392	2900	65	55	02-DEC-03	23.92	17.3
99	BD	ANI	RS	22	1899	227207026	8128	3700	NA	31	02-DEC-03	28.31	24.186
##	BD	ANI	RS	22	1900	227205972	U	NA	NA	NA	02-DEC-03	21.64	

101	BD	ANI	RS	22	1901	227205839	U	NA	NA	NA	02-DEC-09	23.59	
##	BD	ANI	RS	22	1902	227206245	U	NA	NA	NA	02-DEC-09	21.62	
##	BD	ANI	RS	22	1903	227206046	U	NA	NA	NA	02-DEC-09	25.35	
##	BD	ANI	RS	22	1904	227272887	U	NA	NA	NA	02-DEC-09	24.68	
105	BD	ANI	RS	22	1905	227272784	U	NA	NA	NA	02-DEC-09	21.84	
##	BD	ANI	RS	22	1906	227272876	U	NA	NA	NA	02-DEC-09	26.35	
107	BD	ANI	RS	22	1907	No. Kosong	U	NA	NA	NA	02-DEC-09	21.61	
##	BD	ANI	RS	22	1908	227207255	U	NA	NA	NA	02-DEC-09	23.92	
##	BD	ANI	RS	22	1909	227211536	U	NA	NA	NA	02-DEC-09	26.68	
110	BD	ANI	RS	22	1910	227207237	U	NA	NA	NA	02-DEC-09	21.92	
111	BD	ANI	RS	22	1911	227205920	U	NA	NA	NA	02-DEC-09	28.73	
112	BD	ANI	RS	22	1912	227216900	U	NA	NA	NA	02-DEC-09	21.38	
113	BD	ANI	RS	22	1913	No. Kosong	U	NA	NA	NA	02-DEC-09	26.45	
114	BD	ANI	RS	22	1914	227207119	U	NA	NA	NA	02-DEC-09	20.39	
115	BD	ANI	RS	22	1915	227207139	U	NA	NA	NA	02-DEC-09	21.34	
116	BD	ANI	RS	22	1916	227212624	8064	4000	NA	33	02-DEC-09	26.06	23.88
117	BD	ANI	RS	22	1917	227206335	8128	3000	65	26	02-DEC-09	24.25	24.35
118	BD	ANI	RS	22	1918	227207319	8128	3400	65	30	02-DEC-09	21.35	25.877
119	BD	ANI	RS	22	1919	No. Kosong	8128	2400	65	21	02-DEC-09	26.73	23.716
##	BD	ANI	RS	22	1920	227207259	8000	2300	NA	34	02-DEC-09	24.35	24.628
121	BD	ANI	RS	22	1921	227275202	8128	2700	65	28	02-DEC-09	26.05	
##	BD	ANI	RS	22	1922	227273172	U	NA	NA	NA	02-DEC-09	21.65	
##	BD	ANI	RS	22	1923	227205742	U	NA	NA	NA	02-DEC-09	23.21	
##	BD	ANI	RS	22	1924	227205785	U	NA	NA	NA	02-DEC-09	25.64	
125	BD	ANI	RS	22	1925	227219321	8128	3100	NA	29	02-DEC-09	23.37	24.475
##	BD	ANI	RS	22	1926	227207410	U	NA	NA	NA	02-DEC-09	21.46	
127	BD	ANI	RS	22	1927	No. Kosong	U	NA	NA	NA	02-DEC-09	28.74	
##	BD	ANI	RS	22	1928	227217169	8128	2600	65	27	02-DEC-09	30.61	24.786
##	BD	ANI	RS	22	1929	227207383	6144	2900	65	42	02-DEC-09	24.33	21.652
##	BD	ANI	RS	22	1930	227207306	U	NA	NA	NA	02-DEC-09	21.86	
131	BD	ANI	RS	22	1931	227207389	8128	2400	65	27	02-DEC-09	25.63	24.786
##	BD	ANI	RS	22	1932	227213334	U	NA	NA	NA	02-DEC-09	24.62	
##	BD	ANI	RS	22	1933	227207349	3520	3400	65	NA	02-DEC-09	21.64	
##	BD	ANI	RS	22	1934	227207320	1312	4100	65	70	02-DEC-09	26.98	12.728
135	BD	ANI	RS	22	1935	227217481	5312	3200	NA	46	02-DEC-09	28.78	20.625
##	BD	ANI	RS	22	1936	227207422	8128	3800	65	32	02-DEC-09	21.68	24.048
137	BD	ANI	RS	22	1937	227207431	8128	2900	65	27	02-DEC-09	23.51	24.786
##	BD	ANI	RS	22	1938	227207430	8128	3400	65	30	02-DEC-09	21.92	24.328
##	BD	ANI	RS	22	1939	227206640	8128	3400	NA	26	02-DEC-09	26.86	24.35
##	BD	ANI	RS	22	1940	227207521	U	NA	NA	NA	02-DEC-09	24.63	
141	BD	ANI	RS	22	1941	227207522	8128	2400	65	27	02-DEC-09	20.31	24.786
##	BD	ANI	RS	22	1942	227275320	5312	2900	NA	46	02-DEC-09	26.43	20.625
##	BD	ANI	RS	22	1943	227202620	8128	2900	65	26	02-DEC-09	21.33	24.35
##	BD	ANI	RS	22	1944	227274366	8128	3700	65	29	02-DEC-09	24.65	24.475
145	BD	ANI	RS	22	1945	227207550	8128	2800	65	30	02-DEC-09	23.81	24.328
##	BD	ANI	RS	22	1946	No. Kosong	8128	2300	NA	20	02-DEC-09	23.39	
147	BD	ANI	RS	22	1947	No. Kosong	8128	3600	65	30	02-DEC-09	27.63	24.328
##	BD	ANI	RS	22	1948	227274878	8128	3200	65	31	02-DEC-09	22.92	24.186
##	BD	ANI	RS	22	1949	227206803	2144	3500	NA	63	02-DEC-09	25.68	15.318

150	BD	ANI	RS	22	1950	227205817	3296	3500	NA		56	02-DEC-03	26.45	17.636
151	BD	ANI	RS	22	1951	227207116	U	NA	NA	NA		02-DEC-03	20.39	
152	BD	ANI	RS	22	1952	227205253	U	NA	NA	NA		02-DEC-03	21.34	
153	BD	ANI	RS	22	1953	227205375	6848	2600		65	NA	02-DEC-03	26.06	
154	BD	ANI	RS	22	1954	227205363	U	NA	NA	NA		02-DEC-03	24.25	
155	BD	ANI	RS	22	1955	227205872	8128	3000		65	26	02-DEC-03	21.35	24.35
156	BD	ANI	RS	22	1956	No. Kosong	8128	2900		65	26	02-DEC-03	26.73	24.35
157	BD	ANI	RS	22	1957	227206362	8128	3500	NA		27	02-DEC-03	24.35	24.786
158	BD	ANI	RS	22	1958	227211137	8128	2800		65	25	02-DEC-03	26.05	25.12
159	BD	ANI	RS	22	1959	227207486	8128	3000		65	27	02-DEC-03	21.65	24.786
##	BD	ANI	RS	22	1960	227207621	7744	2700		65	35	02-DEC-03	23.21	23.448
161	BD	ANI	RS	22	1961	227207467	3392	3000	NA		55	02-DEC-03	25.64	17.9
##	BD	ANI	RS	22	1962	227211793	U	NA	NA	NA		02-DEC-03	23.37	
##	BD	ANI	RS	22	1963	227207767	2144	3500		65	63	02-DEC-03	21.46	15.319
##	BD	ANI	RS	22	1964	227207861	8128	3000		65	26	02-DEC-03	28.74	24.35
165	BD	ANI	RS	22	1965	227207737	8128	3000		65	26	02-DEC-03	30.61	24.35
##	BD	ANI	RS	22	1966	227207907	8128	3200	NA		27	02-DEC-03	24.33	24.786
167	BD	ANI	RS	22	1967	227207925	U	NA	NA	NA		02-DEC-03	21.86	
##	BD	ANI	RS	22	1968	227207918	8128	3100		65	28	02-DEC-03	25.63	24.628
##	BD	ANI	RS	22	1969	227275229	U	NA	NA	NA		02-DEC-03	24.62	
170	BD	ANI	RS	22	1970	No. Kosong	U	NA	NA	NA		02-DEC-03	21.64	
171	BD	ANI	RS	22	1971	227202146	U	NA	NA	NA		02-DEC-03	26.98	
172	BD	ANI	RS	22	1972	227277415	1728	3800	NA		66	02-DEC-03	28.78	14.179
173	BD	ANI	RS	22	1973	227274126	2144	3500		65	63	02-DEC-03	21.68	15.318
174	BD	ANI	RS	22	1974	227210454	8128	3600		65	29	02-DEC-03	23.51	24.475
175	BD	ANI	RS	22	1975	227203091	8128	2700	NA		25	02-DEC-03	21.92	25.12
176	BD	ANI	RS	22	1976	227204918	U	NA	NA	NA		02-DEC-03	26.86	
177	BD	ANI	RS	22	1977	227273025	U	NA	NA	NA		02-DEC-03	24.69	
178	BD	ANI	RS	22	1978	227275351	U	NA	NA	NA		02-DEC-03	20.31	
179	BD	ANI	RS	22	1979	227206247	U	NA	NA	NA		02-DEC-03	26.49	
##	BD	ANI	RS	22	1980	227205144	U	NA	NA	NA		02-DEC-03	23.81	
181	BD	ANI	RS	22	1981	227202050	1312	4100		65	70	02-DEC-03	23.99	12.728
##	BD	ANI	RS	22	1982	227273422	8128	4100		65	32	02-DEC-03	27.63	24.048
##	BD	ANI	RS	22	1983	227272743	5824	2700	NA	NA		02-DEC-03	22.92	
##	BD	ANI	RS	22	1984	227205008	8128	3900		65	32	02-DEC-03	25.68	24.048
185	BD	ANI	RS	22	1985	227204967	U	NA	NA	NA		02-DEC-03	26.45	
##	BD	ANI	RS	22	1986	227202386	8128	3200	NA		28	02-DEC-03	20.39	24.628
187	BD	ANI	RS	22	1987	227204317	8064	3700	NA		33	02-DEC-03	21.34	23.88
##	BD	ANI	RS	22	1988	227205723	4064	3400	NA		52	02-DEC-03	26.06	18.929
##	BD	ANI	RS	22	1989	227205818	U	NA	NA	NA		02-DEC-03	24.25	
##	BD	ANI	RS	22	1990	No. Kosong	8128	2300	NA		19	02-DEC-03	21.35	261.312
191	BD	ANI	RS	22	1991	227207290	8128	1700		65	23	02-DEC-03	26.73	25.482
##	BD	ANI	RS	22	1992	No. Kosong	8128	2300	NA		20	02-DEC-03	24.35	26.084
##	BD	ANI	RS	22	1993	227204906	2752	3600		65	NA	02-DEC-03	26.05	
##	BD	ANI	RS	22	1994	227202642	8128	3500		65	29	02-DEC-03	21.65	24.475
195	BD	ANI	RS	22	1995	227212787	1888	4100		65	NA	02-DEC-03	23.21	
##	BD	ANI	RS	22	1996	227100819	8128	3400	NA		29	02-DEC-03	25.64	24.475
197	BD	ANI	RS	22	1997	227273885	7744	4200		65	35	02-DEC-03	23.37	23.659
##	BD	ANI	RS	22	1998	227205773	1856	3500		65	65	02-DEC-03	21.46	14.557
##	BD	ANI	RS	22	1999	227204894	2752	3700	NA	NA		02-DEC-03	28.74	
##	BD	ANI	RS	22	2000	227204750	8128	2700		65	25	02-DEC-03	30.61	25.12

NO	DATEL	STO	RK	PRIMER	KLEM	NOTEL	SPEED BIN	LOOP LENGTH	LONG BALANCE	INSERTION LOST	TIME UKUR	LINE ATTENUATION	SNRM	
1	BD	ANI	RU	22	2022	227205900	1856	3600	65	65	17-Jan-10	28.84	14.577	
2	BD	ANI	RU	22	2145	227200021	2016	3100	65	64	17-Jan-10	23.34	14.363	
3	BD	ANI	RU	22	2091	227200003	2144	3600	65	63	17-Jan-10	23.41	15.318	
4	BD	ANI	RU	22	2033	227201264	2240	2900	65	62	17-Jan-10	23.65	15.578	
5	BD	ANI	RU	22	2020	227201154	2752	3600	NA	NA	17-Jan-10	23.58		
6	BD	ANI	RU	22	2121	227200024	3520	3300	NA	NA	17-Jan-10	24.22		
7	BD	ANI	RU	22	2094	227206827	3520	4000	65	54	17-Jan-10	31.08	18.141	
8	BD	ANI	RU	22	2013	227201639	3808	4500	NA		53	17-Jan-10	26.58	18.564
9	BD	ANI	RU	22	2047	227201665	4896	2800	NA		48	17-Jan-10	26.35	20.086
10	BD	ANI	RU	22	2082	227217133	5632	6300	65		44	17-Jan-10	29.63	21.072
11	BD	ANI	RU	22	2136	227216165	5792	6300	NA		43	17-Jan-10	22.45	21.294
12	BD	ANI	RU	22	2187	227200388	6144	2700	NA		42	17-Jan-10	29.84	21.652
13	BD	ANI	RU	22	2199	227200807	6144	3000	62		42	17-Jan-10	21.35	21.652
14	BD	ANI	RU	22	2148	227200618	7040	2500	65		38	17-Jan-10	26.65	22.678
15	BD	ANI	RU	22	2073	227108051	7520	5200	65		36	17-Jan-10	23.84	23.199
16	BD	ANI	RU	22	2056	227278139	7520	2900	NA		36	17-Jan-10	27.64	23.199
17	BD	ANI	RU	22	2175	227201583	7744	3700	65		35	17-Jan-10	21.66	23.448
18	BD	ANI	RU	22	2064	227205399	7744	4300	65		35	17-Jan-10	30.84	23.448
19	BD	ANI	RU	22	2098	227100477	8000	1400	NA	NA		17-Jan-10	26.65	
20	BD	ANI	RU	22	2124	227104355	8000	1300	NA	NA		17-Jan-10	23.87	
21	BD	ANI	RU	22	2075	227200201	8000	1600	NA	NA		17-Jan-10	26.35	
22	BD	ANI	RU	22	2096	227200420	8000	1300	NA	NA		17-Jan-10	29.44	
23	BD	ANI	RU	22	2151	227200504	8000	3700	NA		34	17-Jan-10	21.56	23.716
24	BD	ANI	RU	22	2007	227201563	8000	3500	65		34	17-Jan-10	23.58	23.716
25	BD	ANI	RU	22	2077	227203975	8000	1100	65	NA		17-Jan-10	24.65	
26	BD	ANI	RU	22	2072	227206860	8000	1800	65	NA		17-Jan-10	23.87	
27	BD	ANI	RU	22	2165	No. Kosong	8000	1400	NA	NA		17-Jan-10	26.54	
28	BD	ANI	RU	22	2095	227200316	8064	3900	65		33	17-Jan-10	28.37	23.88
29	BD	ANI	RU	22	2005	227201580	8064	3800	NA		33	17-Jan-10	21.66	23.88
30	BD	ANI	RU	22	2197	227203685	8064	3400	NA		33	17-Jan-10	23.45	23.88
31	BD	ANI	RU	22	2126	227102429	8128	2700	NA		23	17-Jan-10	26.36	25.482
32	BD	ANI	RU	22	2137	227103199	8128	2700	NA		23	17-Jan-10	25.68	25.482
33	BD	ANI	RU	22	2010	227104733	8128	4300	NA		32	17-Jan-10	23.48	24.048
34	BD	ANI	RU	22	2093	227200108	8128	1500	65		14	17-Jan-10	26.54	27.638
35	BD	ANI	RU	22	2168	227200195	8128	1300	65		19	17-Jan-10	25.38	26.312
36	BD	ANI	RU	22	2029	227200214	8128	3600	NA		29	17-Jan-10	21.57	24.476
37	BD	ANI	RU	22	2195	227200215	8128	3600	NA		29	17-Jan-10	24.36	24.476
38	BD	ANI	RU	22	2196	227200218	8128	3900	65		28	17-Jan-10	27.35	24.628
39	BD	ANI	RU	22	2119	227200221	8128	3200	65		27	17-Jan-10	21.54	24.786
40	BD	ANI	RU	22	2048	227200254	8128	2000	NA		31	17-Jan-10	23.65	24.186
41	BD	ANI	RU	22	2198	227200463	8128	3600	65		30	17-Jan-10	28.65	24.238
42	BD	ANI	RU	22	2143	227200469	8128	2300	65		25	17-Jan-10	24.68	25.12
43	BD	ANI	RU	22	2141	227200547	8128	4500	65		31	17-Jan-10	23.12	24.186
44	BD	ANI	RU	22	2181	227200561	8128	3200	65		30	17-Jan-10	29.65	24.328
45	BD	ANI	RU	22	2146	227200617	8128	2800	NA		25	17-Jan-10	25.45	25.12
46	BD	ANI	RU	22	2138	227200732	8128	3600	NA		29	17-Jan-10	25.78	24.476
47	BD	ANI	RU	22	2160	227200910	8128	3700	65		29	17-Jan-10	26.38	24.476
48	BD	ANI	RU	22	2031	227201145	8128	2800	NA		29	17-Jan-10	25.64	24.476
49	BD	ANI	RU	22	2184	227201146	8128	3200	65		30	17-Jan-10	21.62	24.328
50	BD	ANI	RU	22	2012	227201157	8128	3600	65		31	17-Jan-10	23.65	24.186

51	BD	ANI	RU	22	2004	227201177	8128	3800	65	32	17-Jan-10	28.78	24.048
52	BD	ANI	RU	22	2060	227201224	8128	1500	NA	17	17-Jan-10	21.68	26.795
53	BD	ANI	RU	22	2123	227201260	8128	3400	65	28	17-Jan-10	23.51	24.628
54	BD	ANI	RU	22	2122	227201273	8128	2400	NA	31	17-Jan-10	21.92	24.186
55	BD	ANI	RU	22	2032	227201378	8128	2800	65	29	17-Jan-10	26.86	24.748
56	BD	ANI	RU	22	2183	227201422	8128	3700	65	30	17-Jan-10	24.63	24.328
57	BD	ANI	RU	22	2192	227201564	8128	3300	65	32	17-Jan-10	20.91	24.048
58	BD	ANI	RU	22	2174	227201577	8128	3700	65	30	17-Jan-10	26.43	24.328
59	BD	ANI	RU	22	2053	227201638	8128	2200	NA	20	17-Jan-10	21.33	24.089
60	BD	ANI	RU	22	2153	227201663	8128	3700	65	23	17-Jan-10	24.65	24.476
61	BD	ANI	RU	22	2186	227201731	8128	3700	NA	28	17-Jan-10	23.81	24.628
62	BD	ANI	RU	22	2042	227202134	8128	1200	NA	11	17-Jan-10	23.93	28.686
63	BD	ANI	RU	22	2040	227202139	8128	2400	65	24	17-Jan-10	27.63	25.298
64	BD	ANI	RU	22	2131	227202336	8128	3700	65	32	17-Jan-10	22.92	24.048
65	BD	ANI	RU	22	2019	227202735	8128	3500	64	30	17-Jan-10	25.68	24.328
66	BD	ANI	RU	22	2038	227202895	8128	2800	NA	25	17-Jan-10	26.45	25.12
67	BD	ANI	RU	22	2030	227203757	8128	3000	65	31	17-Jan-10	20.39	24.186
68	BD	ANI	RU	22	2025	227204010	8128	3600	65	32	17-Jan-10	21.34	24.048
69	BD	ANI	RU	22	2037	227205075	8128	2700	65	24	17-Jan-10	26.06	25.298
70	BD	ANI	RU	22	2014	227205331	8128	3800	NA	31	17-Jan-10	24.25	24.186
71	BD	ANI	RU	22	2125	227205540	8128	3500	65	28	17-Jan-10	21.35	24.628
72	BD	ANI	RU	22	2190	227205563	8128	3600	65	31	17-Jan-10	26.73	24.186
73	BD	ANI	RU	22	2182	227205744	8128	3700	65	32	17-Jan-10	24.35	24.048
74	BD	ANI	RU	22	2188	227205827	8128	2400	NA	21	17-Jan-10	26.05	25.877
75	BD	ANI	RU	22	2183	227206218	8128	3200	65	32	17-Jan-10	21.65	24.048
76	BD	ANI	RU	22	2129	227206411	8128	2400	NA	21	17-Jan-10	23.21	25.877
77	BD	ANI	RU	22	2003	227206441	8128	3300	NA	31	17-Jan-10	25.64	24.186
78	BD	ANI	RU	22	2173	227206755	8128	3200	65	31	17-Jan-10	23.97	24.186
79	BD	ANI	RU	22	2172	227210772	8128	2400	65	22	17-Jan-10	21.46	25.676
80	BD	ANI	RU	22	2044	227211659	8128	1800	NA	17	17-Jan-10	28.74	26.795
81	BD	ANI	RU	22	2079	227212443	8128	3700	NA	31	17-Jan-10	30.61	24.186
82	BD	ANI	RU	22	2015	227212974	8128	3500	NA	27	17-Jan-10	24.33	24.786
83	BD	ANI	RU	22	2074	227215803	8128	2100	65	32	17-Jan-10	21.86	24.048
84	BD	ANI	RU	22	2149	227217120	8128	2400	64	21	17-Jan-10	25.63	25.877
85	BD	ANI	RU	22	2150	227217174	8128	2000	65	21	17-Jan-10	24.62	25.877
86	BD	ANI	RU	22	2027	227217826	8128	3700	65	28	17-Jan-10	21.64	24.628
87	BD	ANI	RU	22	2065	227273132	8128	1500	NA	16	17-Jan-10	26.98	27.059
88	BD	ANI	RU	22	2062	227274064	8128	1500	NA	14	17-Jan-10	28.78	27.638
89	BD	ANI	RU	22	2142	227275140	8128	2400	65	32	17-Jan-10	21.68	24.048
90	BD	ANI	RU	22	2191	227275182	8128	3300	65	31	17-Jan-10	23.51	24.186
91	BD	ANI	RU	22	2054	227275197	8128	2200	65	21	17-Jan-10	21.92	25.877
92	BD	ANI	RU	22	2059	227275823	8128	1800	NA	15	17-Jan-10	26.98	27.339
93	BD	ANI	RU	22	2001	No. Kosong	8128	1200	NA	11	17-Jan-10	28.78	28.686
94	BD	ANI	RU	22	2008	No. Kosong	8128	1200	NA	11	17-Jan-10	21.68	28.686
95	BD	ANI	RU	22	2011	No. Kosong	8128	1200	NA	11	17-Jan-10	23.51	28.686
96	BD	ANI	RU	22	2024	No. Kosong	8128	1200	NA	11	17-Jan-10	21.92	28.686
97	BD	ANI	RU	22	2043	No. Kosong	8128	1200	NA	11	17-Jan-10	26.86	28.686
98	BD	ANI	RU	22	2049	No. Kosong	8128	1300	NA	11	17-Jan-10	24.63	28.686
99	BD	ANI	RU	22	2071	No. Kosong	8128	1200	NA	11	17-Jan-10	20.91	28.686
100	BD	ANI	RU	22	2076	No. Kosong	8128	1200	NA	11	17-Jan-10	26.43	28.686

101	BD	ANI	RU	22	2078	No. Kozong	8128	1300	NA	12	17-Jan-10	23.81	28.308
102	BD	ANI	RU	22	2081	No. Kozong	8128	1300	NA	12	17-Jan-10	23.39	28.308
103	BD	ANI	RU	22	2092	No. Kozong	8128	3200	NA	25	17-Jan-10	27.63	25.12
104	BD	ANI	RU	22	2116	No. Kozong	8128	1200	NA	11	17-Jan-10	22.32	28.686
105	BD	ANI	RU	22	2118	No. Kozong	8128	1200	NA	11	17-Jan-10	25.68	28.686
106	BD	ANI	RU	22	2120	No. Kozong	8128	1300	NA	12	17-Jan-10	26.45	28.308
107	BD	ANI	RU	22	2127	No. Kozong	8128	2000	65	21	17-Jan-10	20.39	25.877
108	BD	ANI	RU	22	2133	No. Kozong	8128	1200	NA	11	17-Jan-10	21.34	28.686
109	BD	ANI	RU	22	2155	No. Kozong	8128	2100	NA	18	17-Jan-10	26.06	26.547
110	BD	ANI	RU	22	2157	No. Kozong	8128	1200	NA	11	17-Jan-10	24.25	28.686
111	BD	ANI	RU	22	2161	No. Kozong	8128	3300	NA	31	17-Jan-10	21.35	24.186
112	BD	ANI	RU	22	2163	No. Kozong	8128	1300	NA	12	17-Jan-10	26.73	28.308
113	BD	ANI	RU	22	2167	No. Kozong	8128	1300	NA	12	17-Jan-10	24.35	28.308
114	BD	ANI	RU	22	2170	No. Kozong	8128	1300	NA	12	17-Jan-10	26.05	28.308
115	BD	ANI	RU	22	2193	No. Kozong	8128	1200	NA	11	17-Jan-10	21.65	28.686
116	BD	ANI	RU	22	2200	No. Kozong	8128	4000	NA	30	17-Jan-10	23.21	24.328

NO	DATEI	STO	RK	PRIME	KLEM	NOTEL	SPEED BIN	LOOP LENGTH	LONG BALANCE	INSERTION LOST	TIME UKUR	LINE ATTENUATION	SNRM
1	BD	ANI	RA	43	301	226004665	6496	4100	NA	41	19-DEC-09	24.24	22
2	BD	ANI	RA	43	302	226006153	7264	2700	65	37	19-DEC-09	23.88	22.929
3	BD	ANI	RA	43	303	226078812	8128	2100	NA	32	19-DEC-09	22.93	24.048
4	BD	ANI	RA	43	304	226078418	U	3700	NA	NA	19-DEC-09	23.18	
5	BD	ANI	RA	43	305	226078766	8128	NA	65	30	19-DEC-09	25.48	24.329
6	BD	ANI	RA	43	306	226079355	U	NA	NA	NA	19-DEC-09	25.48	
7	BD	ANI	RA	43	307	226035806	U	4000	NA	NA	19-DEC-09	23.88	
8	BD	ANI	RA	43	308	226127899	U	4000	NA	NA	19-DEC-09	24.69	
9	BD	ANI	RA	43	309	226007187	U	NA	NA	NA	19-DEC-09	22.63	
10	BD	ANI	RA	43	310	No. Kosong	U	3500	NA	NA	19-DEC-09	26.12	
11	BD	ANI	RA	43	311	226078829	U	2900	NA	NA	19-DEC-09	24.35	
12	BD	ANI	RA	43	312	226078702	U	3000	NA	NA	19-DEC-09	24.16	
13	BD	ANI	RA	43	313	226007193	8064	NA	NA	33	19-DEC-09	23.64	23.88
14	BD	ANI	RA	43	314	226011427	7264	3000	65	37	19-DEC-09	24.32	22.929
15	BD	ANI	RA	43	315	226073634	8128	2900	65	32	19-DEC-09	23.66	24.048
16	BD	ANI	RA	43	316	2.286E+09	U	2900	NA	NA	19-DEC-09	26.84	
17	BD	ANI	RA	43	317	226046280	1248	3000	NA	NA	19-DEC-09	25.98	
18	BD	ANI	RA	43	318	226079311	U	3000	NA	NA	19-DEC-09	23.78	
19	BD	ANI	RA	43	319	226032789	8064	2900	65	33	19-DEC-09	21.33	23.88
20	BD	ANI	RA	43	320	226020688	U	2900	NA	NA	19-DEC-09	29.84	
21	BD	ANI	RA	43	321	226078251	U	NA	NA	NA	19-DEC-09	26.38	
22	BD	ANI	RA	43	322	226075108	U	NA	NA	NA	19-DEC-09	23.56	
23	BD	ANI	RA	43	323	2.286E+09	U	2900	NA	NA	19-DEC-09	24.52	
24	BD	ANI	RA	43	324	226021699	U	2800	NA	NA	19-DEC-09	25.66	
25	BD	ANI	RA	43	325	226002771	U	2900	NA	NA	19-DEC-09	28.84	
26	BD	ANI	RA	43	326	226079042	7040	NA	NA	38	19-DEC-09	23.34	22.678
27	BD	ANI	RA	43	327	226001699	7264	NA	65	37	19-DEC-09	23.41	22.929
28	BD	ANI	RA	43	328	226078939	8064	3000	NA	33	19-DEC-09	23.65	23.88
29	BD	ANI	RA	43	329	226017197	8000	NA	65	34	19-DEC-09	23.58	23.716
30	BD	ANI	RA	43	330	226074319	6816	NA	NA	39	19-DEC-09	24.22	22.425
31	BD	ANI	RA	43	331	226035733	6496	NA	NA	41	19-DEC-09	31.08	21.998
32	BD	ANI	RA	43	332	226078780	7520	2400	65	36	19-DEC-09	26.58	23.199
33	BD	ANI	RA	43	333	No. Kosong	U	2400	NA	NA	19-DEC-09	26.95	
34	BD	ANI	RA	43	334	226074703	7744	2300	65	35	19-DEC-09	29.63	23.449
35	BD	ANI	RA	43	335	226074798	8000	1900	NA	34	19-DEC-09	22.45	23.716
36	BD	ANI	RA	43	336	No. Kosong	7264	2300	NA	37	19-DEC-09	29.84	22.929
37	BD	ANI	RA	43	337	226073762	7520	2400	NA	36	19-DEC-09	21.35	23.199
38	BD	ANI	RA	43	338	226073293	8000	2400	65	34	19-DEC-09	26.65	23.716
39	BD	ANI	RA	43	339	226078842	6496	2900	NA	41	19-DEC-09	23.84	21.654
40	BD	ANI	RA	43	340	226021742	U	2800	NA	NA	19-DEC-09	27.64	
41	BD	ANI	RA	43	341	226074621	5632	3600	65	44	19-DEC-09	21.66	21.199
42	BD	ANI	RA	43	342	226018110	U	NA	NA	NA	19-DEC-09	30.84	
43	BD	ANI	RA	43	343	No. Kosong	U	NA	NA	NA	19-DEC-09	26.65	
44	BD	ANI	RA	43	344	226074784	2016	3000	NA	64	19-DEC-09	23.87	14.983
45	BD	ANI	RA	43	345	226036376	352	3000	NA	NA	19-DEC-09	26.35	
46	BD	ANI	RA	43	346	226040837	7744	2900	55	35	19-DEC-09	29.44	23.449
47	BD	ANI	RA	43	347	2.286E+09	7744	3000	NA	35	19-DEC-09	21.56	23.449
48	BD	ANI	RA	43	348	226070033	U	3000	NA	NA	19-DEC-09	23.58	
49	BD	ANI	RA	43	349	226006548	U	2700	NA	NA	19-DEC-09	24.65	
50	BD	ANI	RA	43	350	226078926	3808	2900	65	53	19-DEC-09	23.87	18.564

51	BD	ANI	RA	43	351	226020714	U		2800	NA		NA		19-DEC-09		26.54	
52	BD	ANI	RA	43	352	226127556		3520	2800		65		54	19-DEC-09		28.37	18.141
53	BD	ANI	RA	43	353	226020616		4064	2900		65		52	19-DEC-09		21.66	18.929
54	BD	ANI	RA	43	354	No. Kosong	U		2900	NA		NA		19-DEC-09		23.45	
55	BD	ANI	RA	43	355	226032000		8000	NA		NA		34	19-DEC-09		26.36	23.716
56	BD	ANI	RA	43	356	226123757	U		2300	NA		NA		19-DEC-09		25.68	
57	BD	ANI	RA	43	357	226127520		8128	2600		65		30	19-DEC-09		23.48	24.329
58	BD	ANI	RA	43	358	226127373		7264	2600		65		37	19-DEC-09		26.54	22.929
59	BD	ANI	RA	43	359	226123911		8064	NA		65		33	19-DEC-09		25.98	23.88
60	BD	ANI	RA	43	360	No. Kosong		8000		3200		65	34	19-DEC-09		21.57	23.716
61	BD	ANI	RA	43	361	226127548		8128	NA		65		32	19-DEC-09		24.36	24.048
62	BD	ANI	RA	43	362	226020250		7040		3100	NA		38	19-DEC-09		27.35	22.678
63	BD	ANI	RA	43	363	226020597		8128	NA		NA		32	19-DEC-09		21.54	24.048
64	BD	ANI	RA	43	364	226127377		4224	NA		65		51	19-DEC-09		23.65	19.182
65	BD	ANI	RA	43	365	226123840		8128	NA		NA		31	19-DEC-09		28.65	24.186
66	BD	ANI	RA	43	366	226123699		8064	NA		NA		33	19-DEC-09		24.68	23.88
67	BD	ANI	RA	43	367	226127532	U		NA		NA		NA	19-DEC-09		23.12	
68	BD	ANI	RA	43	368	226020615		8000	NA		NA		34	19-DEC-09		29.65	23.716
69	BD	ANI	RA	43	369	226020609		8128		4000	NA		30	19-DEC-09		25.45	24.329
70	BD	ANI	RA	43	370	No. Kosong		3808		3900		65	53	19-DEC-09		25.78	18.564
71	BD	ANI	RA	43	371	226020431		8128		3300	NA		32	19-DEC-09		26.98	24.048
72	BD	ANI	RA	43	372	226040308		8064		3400		65	33	19-DEC-09		25.64	23.88
73	BD	ANI	RA	43	373	226127567	U		2900	NA		NA		19-DEC-09		21.62	
74	BD	ANI	RA	43	374	226020618		8000	NA		65		34	19-DEC-09		23.65	23.716
75	BD	ANI	RA	43	375	226127319		8064		2300	NA		33	19-DEC-09		25.15	23.88
76	BD	ANI	RA	43	376	226017778		8128	NA		65		32	19-DEC-09		28.65	24.408
77	BD	ANI	RA	43	377	No. Kosong		3520		3000	NA		54	19-DEC-09		24.21	18.141
78	BD	ANI	RA	43	378	No. Kosong		8064		2900	NA		33	19-DEC-09		26.35	23.88
79	BD	ANI	RA	43	379	No. Kosong		7744		3300		65	35	19-DEC-09		25.84	23.449
80	BD	ANI	RA	43	380	226037096		8000		3300	NA		34	19-DEC-09		29.84	23.716
81	BD	ANI	RA	43	381	226127425		7744		3400	NA		35	19-DEC-09		21.64	23.449
82	BD	ANI	RA	43	382	226004369		7520		3400	NA		36	19-DEC-09		25.61	23.199
83	BD	ANI	RA	43	383	No. Kosong		7744	NA		65		35	19-DEC-09		28.65	23.449
84	BD	ANI	RA	43	384	No. Kosong		8064	NA		65		33	19-DEC-09		23.45	23.88
85	BD	ANI	RA	43	385	226077610		7744	NA		NA		35	19-DEC-09		25.36	23.449
86	BD	ANI	RA	43	386	No. Kosong		704	NA		NA		NA	19-DEC-09		21.02	
87	BD	ANI	RA	43	387	No. Kosong		8128	NA			57	32	19-DEC-09		26.62	24.808
88	BD	ANI	RA	43	388	226127540		7264	NA		65		37	19-DEC-09		24.15	22.929
89	BD	ANI	RA	43	389	No. Kosong		8064		2700	NA		33	19-DEC-09		21.84	23.88
90	BD	ANI	RA	43	390	No. Kosong		480		3400		65	NA	19-DEC-09		29.63	
91	BD	ANI	RA	43	391	No. Kosong		8064	NA		NA		33	19-DEC-09		21.33	23.88
92	BD	ANI	RA	43	392	226035892		7744		3300		65	35	19-DEC-09		26.64	23.449
93	BD	ANI	RA	43	393	226004054		8128	NA			65	32	19-DEC-09		29.11	23.449
94	BD	ANI	RA	43	394	226077920		4640		3100		65	49	19-DEC-09		26.62	19.763
95	BD	ANI	RA	43	395	No. Kosong		704		2900		65	NA	19-DEC-09		22.63	
96	BD	ANI	RA	43	396	No. Kosong		7264		2900	NA		37	19-DEC-09		28.64	22.929
97	BD	ANI	RA	43	397	No. Kosong		7040		3700		65	38	19-DEC-09		21.34	22.678
98	BD	ANI	RA	43	398	226002367	U		NA		NA		NA	19-DEC-09		22.92	
99	BD	ANI	RA	43	399	226045959		7744		4000	NA		35	19-DEC-09		30.16	23.449
100	BD	ANI	RA	43	400	226021684		8128		2900	NA		30	19-DEC-09		20.62	24.328

NO	DATE	STO	RK	PRIME	KLEM	NOTEL	SPEED BIN	LOOP LENGTH	LONG BALANCE	INSERTION LOST	TIME UKUR	LINE ATTENUATION	SNRM	
1	BD	ANI	RS	22	1801	227204975	7744	3900	NA		35	02-DEC-09	26.35	23.449
2	BD	ANI	RS	22	1802	227205530	960	4600	65	NA		02-DEC-09	24.65	
3	BD	ANI	RS	22	1803	227205048	4416	4100	NA		50	02-DEC-09	21.22	19.46
4	BD	ANI	RS	22	1804	227215632	4064	2700	65		52	02-DEC-09	22.36	18.295
5	BD	ANI	RS	22	1805	No. Kosong	8000	2100	NA	NA		02-DEC-09	25.68	
6	BD	ANI	RS	22	1806	227204932	7744	3700	65		35	02-DEC-09	26.35	23.449
7	BD	ANI	RS	22	1807	227205384	U	NA	NA	NA		02-DEC-09	23.35	
8	BD	ANI	RS	22	1808	227205092	U	NA	NA	NA		02-DEC-09	26.54	
9	BD	ANI	RS	22	1809	227204662	3520	4000	NA		54	02-DEC-09	29.84	18.141
10	BD	ANI	RS	22	1810	227204905	7520	4000	65		36	02-DEC-09	21.35	23.199
11	BD	ANI	RS	22	1811	227206246	U	NA	NA	NA		02-DEC-09	26.73	
12	BD	ANI	RS	22	1812	227204988	8128	3500	65		31	02-DEC-09	24.35	24.186
13	BD	ANI	RS	22	1813	227211952	8128	2900	65		27	02-DEC-09	26.05	24.786
14	BD	ANI	RS	22	1814	227204704	8128	3000	NA		26	02-DEC-09	21.65	24.35
15	BD	ANI	RS	22	1815	227204823	U	NA	65	NA		02-DEC-09	23.21	
16	BD	ANI	RS	22	1816	227204870	8128	3000	65		26	02-DEC-09	25.64	24.35
17	BD	ANI	RS	22	1817	227204836	8128	2900	NA		26	02-DEC-09	23.37	24.35
18	BD	ANI	RS	22	1818	227204754	5824	2900	65	NA		02-DEC-09	21.46	
19	BD	ANI	RS	22	1819	227204772	3808	3000	65		53	02-DEC-09	28.74	18.564
20	BD	ANI	RS	22	1820	227205138	8128	3000	NA		27	02-DEC-09	30.61	24.786
21	BD	ANI	RS	22	1821	227204831	3296	2900	NA		56	02-DEC-09	24.33	17.638
22	BD	ANI	RS	22	1822	227204844	8128	2900	NA		28	02-DEC-09	21.86	24.628
23	BD	ANI	RS	22	1823	227204763	U	NA	NA	NA		02-DEC-09	25.63	
24	BD	ANI	RS	22	1824	227204751	U	NA	NA	NA		02-DEC-09	24.62	
25	BD	ANI	RS	22	1825	227204726	8128	2900	65		25	02-DEC-09	21.64	25.12
26	BD	ANI	RS	22	1826	227204770	5824	2800	NA	NA		02-DEC-09	26.98	
27	BD	ANI	RS	22	1827	227204715	3200	2900	65		57	02-DEC-09	28.78	17.432
28	BD	ANI	RS	22	1828	227205743	U	NA	NA	NA		02-DEC-09	21.68	
29	BD	ANI	RS	22	1829	227208130	U	NA	NA	NA		02-DEC-09	23.51	
30	BD	ANI	RS	22	1830	227205071	4672	3000	65	NA		02-DEC-09	21.92	
31	BD	ANI	RS	22	1831	227232165	U	NA	NA	NA		02-DEC-09	26.86	
32	BD	ANI	RS	22	1832	227204838	U	NA	NA	NA		02-DEC-09	24.69	
33	BD	ANI	RS	22	1833	227205210	U	NA	NA	NA		02-DEC-09	20.31	
34	BD	ANI	RS	22	1834	227204759	8064	2400	65		33	02-DEC-09	26.49	23.88
35	BD	ANI	RS	22	1835	227204730	5120	2400	65		47	02-DEC-09	21.33	20.371
36	BD	ANI	RS	22	1836	227204711	3296	2300	65		56	02-DEC-09	24.65	17.638
37	BD	ANI	RS	22	1837	227275573	8128	1900	NA		23	02-DEC-09	23.81	25.482
38	BD	ANI	RS	22	1838	227204713	8128	2300	65		26	02-DEC-09	23.99	24.35
39	BD	ANI	RS	22	1839	227204829	8000	2400	NA	NA		02-DEC-09	27.63	
40	BD	ANI	RS	22	1840	227204821	8128	2400	NA		25	02-DEC-09	22.92	25.12
41	BD	ANI	RS	22	1841	227204766	5824	2900	65	NA		02-DEC-09	25.68	
42	BD	ANI	RS	22	1842	227204708	8128	2800	NA		26	02-DEC-09	23.92	24.35
43	BD	ANI	RS	22	1843	227204819	8128	3600	NA		30	02-DEC-09	28.31	24.328
44	BD	ANI	RS	22	1844	227205062	U	NA	NA	NA		02-DEC-09	21.64	
45	BD	ANI	RS	22	1845	227204706	U	NA	64	NA		02-DEC-09	23.59	
46	BD	ANI	RS	22	1846	227204703	8128	3000	NA		26	02-DEC-09	21.62	24.35
47	BD	ANI	RS	22	1847	227204855	4672	3000	65	NA		02-DEC-09	25.95	
48	BD	ANI	RS	22	1848	227204853	8128	2900	65		27	02-DEC-09	24.68	24.786
49	BD	ANI	RS	22	1849	227204847	8128	3000	65		27	02-DEC-09	21.84	24.786

50	BD	ANI	RS	22	1850	227208044	3296	3000	65	56	02-DEC-03	26.35	17.637
51	BD	ANI	RS	22	1851	227204731	8128	2700	65	23	02-DEC-03	21.61	25.482
52	BD	ANI	RS	22	1852	227274473	3392	2900	65	55	02-DEC-03	23.32	17.3
53	BD	ANI	RS	22	1853	227275188	2592	2800	65	60	02-DEC-03	26.68	16.354
54	BD	ANI	RS	22	1854	No. Kosong	8128	2800	65	25	02-DEC-03	21.92	25.12
55	BD	ANI	RS	22	1855	227205136	3296	2900	65	56	02-DEC-03	28.73	17.637
56	BD	ANI	RS	22	1856	227204714	8128	2900	65	27	02-DEC-03	23.98	24.864
57	BD	ANI	RS	22	1857	No. Kosong	U	NA	NA	NA	02-DEC-03	23.65	
58	BD	ANI	RS	22	1858	227201650	8064	2300	NA	33	02-DEC-03	28.64	23.88
59	BD	ANI	RS	22	1859	227217417	3520	2600	65	54	02-DEC-03	25.94	18.141
60	BD	ANI	RS	22	1860	227204773	7520	2600	65	36	02-DEC-03	21.38	23.199
61	BD	ANI	RS	22	1861	227205115	U	NA	NA	NA	02-DEC-03	26.45	
62	BD	ANI	RS	22	1862	No. Kosong	8128	3200	NA	27	02-DEC-03	20.39	24.786
63	BD	ANI	RS	22	1863	227205246	8128	NA	NA	19	02-DEC-03	21.34	26.312
64	BD	ANI	RS	22	1864	227213826	8128	3100	NA	28	02-DEC-03	26.06	24.628
65	BD	ANI	RS	22	1865	No. Kosong	U	NA	NA	NA	02-DEC-03	24.25	
66	BD	ANI	RS	22	1866	No. Kosong	U	NA	NA	NA	02-DEC-03	21.35	
67	BD	ANI	RS	22	1867	227205063	U	NA	NA	NA	02-DEC-03	26.73	
68	BD	ANI	RS	22	1868	227205840	U	NA	NA	NA	02-DEC-03	24.35	
69	BD	ANI	RS	22	1869	227275658	U	NA	NA	NA	02-DEC-03	26.05	
70	BD	ANI	RS	22	1870	227205862	U	NA	NA	NA	02-DEC-03	21.65	
71	BD	ANI	RS	22	1871	227205855	8064	4000	65	33	02-DEC-03	23.21	23.88
72	BD	ANI	RS	22	1872	227275420	7520	3900	NA	36	02-DEC-03	25.64	23.199
73	BD	ANI	RS	22	1873	227206074	8128	3300	65	29	02-DEC-03	23.37	24.475
74	BD	ANI	RS	22	1874	227205783	8000	3400	65	34	02-DEC-03	21.46	23.716
75	BD	ANI	RS	22	1875	227210759	8128	2900	65	28	02-DEC-03	28.74	24.628
76	BD	ANI	RS	22	1876	227277427	U	NA	27	NA	02-DEC-03	30.61	
77	BD	ANI	RS	22	1877	No. Kosong	8128	2300	NA	19	02-DEC-03	24.33	26.312
78	BD	ANI	RS	22	1878	227206231	U	NA	NA	NA	02-DEC-03	21.86	
79	BD	ANI	RS	22	1879	227206251	8128	3000	65	29	02-DEC-03	25.63	24.475
80	BD	ANI	RS	22	1880	227232193	3808	2900	65	53	02-DEC-03	24.62	18.564
81	BD	ANI	RS	22	1881	227205852	8128	3300	65	28	02-DEC-03	21.64	24.628
82	BD	ANI	RS	22	1882	227205882	2592	3300	65	60	02-DEC-03	26.98	16.355
83	BD	ANI	RS	22	1883	227205836	3520	3400	65	NA	02-DEC-03	28.78	
84	BD	ANI	RS	22	1884	227201651	8128	3400	NA	27	02-DEC-03	21.68	24.786
85	BD	ANI	RS	22	1885	227203671	8128	NA	NA	30	02-DEC-03	23.51	24.328
86	BD	ANI	RS	22	1886	227275866	U	NA	NA	NA	02-DEC-03	21.92	
87	BD	ANI	RS	22	1887	227275870	U	NA	NA	NA	02-DEC-03	26.86	
88	BD	ANI	RS	22	1888	No. Kosong	U	NA	NA	NA	02-DEC-03	24.63	
89	BD	ANI	RS	22	1889	227205755	U	NA	NA	NA	02-DEC-03	20.31	
90	BD	ANI	RS	22	1890	No. Kosong	U	NA	NA	NA	02-DEC-03	26.43	
91	BD	ANI	RS	22	1891	227205811	4640	2700	NA	43	02-DEC-03	21.33	19.763
92	BD	ANI	RS	22	1892	227206289	8128	3400	65	32	02-DEC-03	24.65	24.048
93	BD	ANI	RS	22	1893	227232239	U	NA	NA	NA	02-DEC-03	23.81	
94	BD	ANI	RS	22	1894	227207005	8128	3300	NA	30	02-DEC-03	23.99	24.328
95	BD	ANI	RS	22	1895	227212756	U	NA	NA	NA	02-DEC-03	27.63	
96	BD	ANI	RS	22	1896	227206330	8128	3100	65	30	02-DEC-03	22.92	24.328
97	BD	ANI	RS	22	1897	227205980	3200	2900	65	57	02-DEC-03	25.68	17.432
98	BD	ANI	RS	22	1898	227205979	3392	2900	65	55	02-DEC-03	23.92	17.3
99	BD	ANI	RS	22	1899	227207026	8128	3700	NA	31	02-DEC-03	28.31	24.186
##	BD	ANI	RS	22	1900	227205972	U	NA	NA	NA	02-DEC-03	21.64	

101	BD	ANI	RS	22	1901	227205839	U	NA	NA	NA	02-DEC-09	23.59			
##	BD	ANI	RS	22	1902	227206245	U	NA	NA	NA	02-DEC-09	21.62			
##	BD	ANI	RS	22	1903	227206046	U	NA	NA	NA	02-DEC-09	25.35			
##	BD	ANI	RS	22	1904	227272887	U	NA	NA	NA	02-DEC-09	24.68			
105	BD	ANI	RS	22	1905	227272784	U	NA	NA	NA	02-DEC-09	21.84			
##	BD	ANI	RS	22	1906	227272876	U	NA	NA	NA	02-DEC-09	26.35			
107	BD	ANI	RS	22	1907	No. Kosong	U	NA	NA	NA	02-DEC-09	21.61			
##	BD	ANI	RS	22	1908	227207255	U	NA	NA	NA	02-DEC-09	23.92			
##	BD	ANI	RS	22	1909	227211536	U	NA	NA	NA	02-DEC-09	26.68			
110	BD	ANI	RS	22	1910	227207237	U	NA	NA	NA	02-DEC-09	21.92			
111	BD	ANI	RS	22	1911	227205920	U	NA	NA	NA	02-DEC-09	28.73			
112	BD	ANI	RS	22	1912	227216900	U	NA	NA	NA	02-DEC-09	21.38			
113	BD	ANI	RS	22	1913	No. Kosong	U	NA	NA	NA	02-DEC-09	26.45			
114	BD	ANI	RS	22	1914	227207119	U	NA	NA	NA	02-DEC-09	20.39			
115	BD	ANI	RS	22	1915	227207139	U	NA	NA	NA	02-DEC-09	21.34			
116	BD	ANI	RS	22	1916	227212624		8064	4000	NA	33	02-DEC-09	26.06	23.88	
117	BD	ANI	RS	22	1917	227206335		8128	3000		65	26	02-DEC-09	24.25	24.35
118	BD	ANI	RS	22	1918	227207319		8128	3400		65	30	02-DEC-09	21.35	25.877
119	BD	ANI	RS	22	1919	No. Kosong		8128	2400		65	21	02-DEC-09	26.73	23.716
##	BD	ANI	RS	22	1920	227207259		8000	2300	NA		34	02-DEC-09	24.35	24.628
121	BD	ANI	RS	22	1921	227275202		8128	2700		65	28	02-DEC-09	26.05	
##	BD	ANI	RS	22	1922	227273172	U	NA	NA	NA			02-DEC-09	21.65	
##	BD	ANI	RS	22	1923	227205742	U	NA	NA	NA			02-DEC-09	23.21	
##	BD	ANI	RS	22	1924	227205785	U	NA	NA	NA			02-DEC-09	25.64	
125	BD	ANI	RS	22	1925	227219321		8128	3100	NA		29	02-DEC-09	23.37	24.475
##	BD	ANI	RS	22	1926	227207410	U	NA	NA	NA			02-DEC-09	21.46	
127	BD	ANI	RS	22	1927	No. Kosong	U	NA	NA	NA			02-DEC-09	28.74	
##	BD	ANI	RS	22	1928	227217169		8128	2600		65	27	02-DEC-09	30.61	24.786
##	BD	ANI	RS	22	1929	227207383		6144	2900		65	42	02-DEC-09	24.33	21.652
##	BD	ANI	RS	22	1930	227207306	U	NA	NA	NA			02-DEC-09	21.86	
131	BD	ANI	RS	22	1931	227207389		8128	2400		65	27	02-DEC-09	25.63	24.786
##	BD	ANI	RS	22	1932	227213334	U	NA	NA	NA			02-DEC-09	24.62	
##	BD	ANI	RS	22	1933	227207349		3520	3400		65	NA	02-DEC-09	21.64	
##	BD	ANI	RS	22	1934	227207320		1312	4100		65	70	02-DEC-09	26.98	12.728
135	BD	ANI	RS	22	1935	227217481		5312	3200	NA		46	02-DEC-09	28.78	20.625
##	BD	ANI	RS	22	1936	227207422		8128	3800		65	32	02-DEC-09	21.68	24.048
137	BD	ANI	RS	22	1937	227207431		8128	2900		65	27	02-DEC-09	23.51	24.786
##	BD	ANI	RS	22	1938	227207430		8128	3400		65	30	02-DEC-09	21.92	24.328
##	BD	ANI	RS	22	1939	227206640		8128	3400	NA		26	02-DEC-09	26.86	24.35
##	BD	ANI	RS	22	1940	227207521	U	NA	NA	NA			02-DEC-09	24.63	
141	BD	ANI	RS	22	1941	227207522		8128	2400		65	27	02-DEC-09	20.31	24.786
##	BD	ANI	RS	22	1942	227275320		5312	2900	NA		46	02-DEC-09	26.43	20.625
##	BD	ANI	RS	22	1943	227202620		8128	2900		65	26	02-DEC-09	21.33	24.35
##	BD	ANI	RS	22	1944	227274366		8128	3700		65	29	02-DEC-09	24.65	24.475
145	BD	ANI	RS	22	1945	227207550		8128	2800		65	30	02-DEC-09	23.81	24.328
##	BD	ANI	RS	22	1946	No. Kosong		8128	2300	NA		20	02-DEC-09	23.39	
147	BD	ANI	RS	22	1947	No. Kosong		8128	3600		65	30	02-DEC-09	27.63	24.328
##	BD	ANI	RS	22	1948	227274878		8128	3200		65	31	02-DEC-09	22.92	24.186
##	BD	ANI	RS	22	1949	227206803		2144	3500	NA		63	02-DEC-09	25.68	15.318

150	BD	ANI	RS	22	1950	227205817	3296	3500	NA		56	02-DEC-03	26.45	17.636
151	BD	ANI	RS	22	1951	227207116	U	NA	NA	NA		02-DEC-03	20.39	
152	BD	ANI	RS	22	1952	227205253	U	NA	NA	NA		02-DEC-03	21.34	
153	BD	ANI	RS	22	1953	227205375	6848	2600		65	NA	02-DEC-03	26.06	
154	BD	ANI	RS	22	1954	227205363	U	NA	NA	NA		02-DEC-03	24.25	
155	BD	ANI	RS	22	1955	227205872	8128	3000		65	26	02-DEC-03	21.35	24.35
156	BD	ANI	RS	22	1956	No. Kosong	8128	2900		65	26	02-DEC-03	26.73	24.35
157	BD	ANI	RS	22	1957	227206362	8128	3500	NA		27	02-DEC-03	24.35	24.786
158	BD	ANI	RS	22	1958	227211137	8128	2800		65	25	02-DEC-03	26.05	25.12
159	BD	ANI	RS	22	1959	227207486	8128	3000		65	27	02-DEC-03	21.65	24.786
##	BD	ANI	RS	22	1960	227207621	7744	2700		65	35	02-DEC-03	23.21	23.448
161	BD	ANI	RS	22	1961	227207467	3392	3000	NA		55	02-DEC-03	25.64	17.9
##	BD	ANI	RS	22	1962	227211793	U	NA	NA	NA		02-DEC-03	23.37	
##	BD	ANI	RS	22	1963	227207767	2144	3500		65	63	02-DEC-03	21.46	15.319
##	BD	ANI	RS	22	1964	227207861	8128	3000		65	26	02-DEC-03	28.74	24.35
165	BD	ANI	RS	22	1965	227207737	8128	3000		65	26	02-DEC-03	30.61	24.35
##	BD	ANI	RS	22	1966	227207907	8128	3200	NA		27	02-DEC-03	24.33	24.786
167	BD	ANI	RS	22	1967	227207925	U	NA	NA	NA		02-DEC-03	21.86	
##	BD	ANI	RS	22	1968	227207918	8128	3100		65	28	02-DEC-03	25.63	24.628
##	BD	ANI	RS	22	1969	227275229	U	NA	NA	NA		02-DEC-03	24.62	
170	BD	ANI	RS	22	1970	No. Kosong	U	NA	NA	NA		02-DEC-03	21.64	
171	BD	ANI	RS	22	1971	227202146	U	NA	NA	NA		02-DEC-03	26.98	
172	BD	ANI	RS	22	1972	227277415	1728	3800	NA		66	02-DEC-03	28.78	14.179
173	BD	ANI	RS	22	1973	227274126	2144	3500		65	63	02-DEC-03	21.68	15.318
174	BD	ANI	RS	22	1974	227210454	8128	3600		65	29	02-DEC-03	23.51	24.475
175	BD	ANI	RS	22	1975	227203091	8128	2700	NA		25	02-DEC-03	21.92	25.12
176	BD	ANI	RS	22	1976	227204918	U	NA	NA	NA		02-DEC-03	26.86	
177	BD	ANI	RS	22	1977	227273025	U	NA	NA	NA		02-DEC-03	24.69	
178	BD	ANI	RS	22	1978	227275351	U	NA	NA	NA		02-DEC-03	20.31	
179	BD	ANI	RS	22	1979	227206247	U	NA	NA	NA		02-DEC-03	26.49	
##	BD	ANI	RS	22	1980	227205144	U	NA	NA	NA		02-DEC-03	23.81	
181	BD	ANI	RS	22	1981	227202050	1312	4100		65	70	02-DEC-03	23.99	12.728
##	BD	ANI	RS	22	1982	227273422	8128	4100		65	32	02-DEC-03	27.63	24.048
##	BD	ANI	RS	22	1983	227272743	5824	2700	NA	NA		02-DEC-03	22.92	
##	BD	ANI	RS	22	1984	227205008	8128	3900		65	32	02-DEC-03	25.68	24.048
185	BD	ANI	RS	22	1985	227204967	U	NA	NA	NA		02-DEC-03	26.45	
##	BD	ANI	RS	22	1986	227202386	8128	3200	NA		28	02-DEC-03	20.39	24.628
187	BD	ANI	RS	22	1987	227204317	8064	3700	NA		33	02-DEC-03	21.34	23.88
##	BD	ANI	RS	22	1988	227205723	4064	3400	NA		52	02-DEC-03	26.06	18.929
##	BD	ANI	RS	22	1989	227205818	U	NA	NA	NA		02-DEC-03	24.25	
##	BD	ANI	RS	22	1990	No. Kosong	8128	2300	NA		19	02-DEC-03	21.35	261.312
191	BD	ANI	RS	22	1991	227207290	8128	1700		65	23	02-DEC-03	26.73	25.482
##	BD	ANI	RS	22	1992	No. Kosong	8128	2300	NA		20	02-DEC-03	24.35	26.084
##	BD	ANI	RS	22	1993	227204906	2752	3600		65	NA	02-DEC-03	26.05	
##	BD	ANI	RS	22	1994	227202642	8128	3500		65	29	02-DEC-03	21.65	24.475
195	BD	ANI	RS	22	1995	227212787	1888	4100		65	NA	02-DEC-03	23.21	
##	BD	ANI	RS	22	1996	227100819	8128	3400	NA		29	02-DEC-03	25.64	24.475
197	BD	ANI	RS	22	1997	227273885	7744	4200		65	35	02-DEC-03	23.37	23.659
##	BD	ANI	RS	22	1998	227205773	1856	3500		65	65	02-DEC-03	21.46	14.557
##	BD	ANI	RS	22	1999	227204894	2752	3700	NA	NA		02-DEC-03	28.74	
##	BD	ANI	RS	22	2000	227204750	8128	2700		65	25	02-DEC-03	30.61	25.12

NO	DATEL	STO	RK	PRIMER	KLEM	NOTEL	SPEED BIN	LOOP LENGTH	LONG BALANCE	INSERTION LOST	TIME UKUR	LINE ATTENUATION	SNRM	
1	BD	ANI	RU	22	2022	227205900	1856	3600	65	65	17-Jan-10	28.84	14.577	
2	BD	ANI	RU	22	2145	227200021	2016	3100	65	64	17-Jan-10	23.34	14.363	
3	BD	ANI	RU	22	2091	227200003	2144	3600	65	63	17-Jan-10	23.41	15.318	
4	BD	ANI	RU	22	2033	227201264	2240	2900	65	62	17-Jan-10	23.65	15.578	
5	BD	ANI	RU	22	2020	227201154	2752	3600	NA	NA	17-Jan-10	23.58		
6	BD	ANI	RU	22	2121	227200024	3520	3300	NA	NA	17-Jan-10	24.22		
7	BD	ANI	RU	22	2094	227206827	3520	4000	65	54	17-Jan-10	31.08	18.141	
8	BD	ANI	RU	22	2013	227201639	3808	4500	NA		53	17-Jan-10	26.58	18.564
9	BD	ANI	RU	22	2047	227201665	4896	2800	NA		48	17-Jan-10	26.35	20.086
10	BD	ANI	RU	22	2082	227217133	5632	6300	65		44	17-Jan-10	29.63	21.072
11	BD	ANI	RU	22	2136	227216165	5792	6300	NA		43	17-Jan-10	22.45	21.294
12	BD	ANI	RU	22	2187	227200388	6144	2700	NA		42	17-Jan-10	29.84	21.652
13	BD	ANI	RU	22	2199	227200807	6144	3000	62		42	17-Jan-10	21.35	21.652
14	BD	ANI	RU	22	2148	227200618	7040	2500	65		38	17-Jan-10	26.65	22.678
15	BD	ANI	RU	22	2073	227108051	7520	5200	65		36	17-Jan-10	23.84	23.199
16	BD	ANI	RU	22	2056	227278139	7520	2900	NA		36	17-Jan-10	27.64	23.199
17	BD	ANI	RU	22	2175	227201583	7744	3700	65		35	17-Jan-10	21.66	23.448
18	BD	ANI	RU	22	2064	227205399	7744	4300	65		35	17-Jan-10	30.84	23.448
19	BD	ANI	RU	22	2098	227100477	8000	1400	NA	NA		17-Jan-10	26.65	
20	BD	ANI	RU	22	2124	227104355	8000	1300	NA	NA		17-Jan-10	23.87	
21	BD	ANI	RU	22	2075	227200201	8000	1600	NA	NA		17-Jan-10	26.35	
22	BD	ANI	RU	22	2096	227200420	8000	1300	NA	NA		17-Jan-10	29.44	
23	BD	ANI	RU	22	2151	227200504	8000	3700	NA		34	17-Jan-10	21.56	23.716
24	BD	ANI	RU	22	2007	227201563	8000	3500	65		34	17-Jan-10	23.58	23.716
25	BD	ANI	RU	22	2077	227203975	8000	1100	65	NA		17-Jan-10	24.65	
26	BD	ANI	RU	22	2072	227206860	8000	1800	65	NA		17-Jan-10	23.87	
27	BD	ANI	RU	22	2165	No. Kosong	8000	1400	NA	NA		17-Jan-10	26.54	
28	BD	ANI	RU	22	2095	227200316	8064	3900	65		33	17-Jan-10	28.37	23.88
29	BD	ANI	RU	22	2005	227201580	8064	3800	NA		33	17-Jan-10	21.66	23.88
30	BD	ANI	RU	22	2197	227203685	8064	3400	NA		33	17-Jan-10	23.45	23.88
31	BD	ANI	RU	22	2126	227102429	8128	2700	NA		23	17-Jan-10	26.36	25.482
32	BD	ANI	RU	22	2137	227103199	8128	2700	NA		23	17-Jan-10	25.68	25.482
33	BD	ANI	RU	22	2010	227104733	8128	4300	NA		32	17-Jan-10	23.48	24.048
34	BD	ANI	RU	22	2093	227200108	8128	1500	65		14	17-Jan-10	26.54	27.638
35	BD	ANI	RU	22	2168	227200195	8128	1300	65		19	17-Jan-10	25.38	26.312
36	BD	ANI	RU	22	2029	227200214	8128	3600	NA		29	17-Jan-10	21.57	24.476
37	BD	ANI	RU	22	2195	227200215	8128	3600	NA		29	17-Jan-10	24.36	24.476
38	BD	ANI	RU	22	2196	227200218	8128	3900	65		28	17-Jan-10	27.35	24.628
39	BD	ANI	RU	22	2119	227200221	8128	3200	65		27	17-Jan-10	21.54	24.786
40	BD	ANI	RU	22	2048	227200254	8128	2000	NA		31	17-Jan-10	23.65	24.186
41	BD	ANI	RU	22	2198	227200463	8128	3600	65		30	17-Jan-10	28.65	24.238
42	BD	ANI	RU	22	2143	227200469	8128	2300	65		25	17-Jan-10	24.68	25.12
43	BD	ANI	RU	22	2141	227200547	8128	4500	65		31	17-Jan-10	23.12	24.186
44	BD	ANI	RU	22	2181	227200561	8128	3200	65		30	17-Jan-10	29.65	24.328
45	BD	ANI	RU	22	2146	227200617	8128	2800	NA		25	17-Jan-10	25.45	25.12
46	BD	ANI	RU	22	2138	227200732	8128	3600	NA		29	17-Jan-10	25.78	24.476
47	BD	ANI	RU	22	2160	227200910	8128	3700	65		29	17-Jan-10	26.38	24.476
48	BD	ANI	RU	22	2031	227201145	8128	2800	NA		29	17-Jan-10	25.64	24.476
49	BD	ANI	RU	22	2184	227201146	8128	3200	65		30	17-Jan-10	21.62	24.328
50	BD	ANI	RU	22	2012	227201157	8128	3600	65		31	17-Jan-10	23.65	24.186

51	BD	ANI	RU	22	2004	227201177	8128	3800	65	32	17-Jan-10	28.78	24.048
52	BD	ANI	RU	22	2060	227201224	8128	1500	NA	17	17-Jan-10	21.68	26.795
53	BD	ANI	RU	22	2123	227201260	8128	3400	65	28	17-Jan-10	23.51	24.628
54	BD	ANI	RU	22	2122	227201273	8128	2400	NA	31	17-Jan-10	21.92	24.186
55	BD	ANI	RU	22	2032	227201378	8128	2800	65	29	17-Jan-10	26.86	24.748
56	BD	ANI	RU	22	2183	227201422	8128	3700	65	30	17-Jan-10	24.63	24.328
57	BD	ANI	RU	22	2192	227201564	8128	3300	65	32	17-Jan-10	20.91	24.048
58	BD	ANI	RU	22	2174	227201577	8128	3700	65	30	17-Jan-10	26.43	24.328
59	BD	ANI	RU	22	2053	227201638	8128	2200	NA	20	17-Jan-10	21.33	24.089
60	BD	ANI	RU	22	2159	227201663	8128	3700	65	29	17-Jan-10	24.65	24.476
61	BD	ANI	RU	22	2186	227201731	8128	3700	NA	28	17-Jan-10	23.81	24.628
62	BD	ANI	RU	22	2042	227202134	8128	1200	NA	11	17-Jan-10	23.93	28.686
63	BD	ANI	RU	22	2040	227202139	8128	2400	65	24	17-Jan-10	27.63	25.298
64	BD	ANI	RU	22	2131	227202336	8128	3700	65	32	17-Jan-10	22.92	24.048
65	BD	ANI	RU	22	2019	227202735	8128	3500	64	30	17-Jan-10	25.68	24.328
66	BD	ANI	RU	22	2038	227202895	8128	2800	NA	25	17-Jan-10	26.45	25.12
67	BD	ANI	RU	22	2030	227203757	8128	3000	65	31	17-Jan-10	20.39	24.186
68	BD	ANI	RU	22	2025	227204010	8128	3600	65	32	17-Jan-10	21.34	24.048
69	BD	ANI	RU	22	2037	227205075	8128	2700	65	24	17-Jan-10	26.06	25.298
70	BD	ANI	RU	22	2014	227205331	8128	3800	NA	31	17-Jan-10	24.25	24.186
71	BD	ANI	RU	22	2125	227205540	8128	3500	65	28	17-Jan-10	21.35	24.628
72	BD	ANI	RU	22	2190	227205563	8128	3600	65	31	17-Jan-10	26.73	24.186
73	BD	ANI	RU	22	2182	227205744	8128	3700	65	32	17-Jan-10	24.35	24.048
74	BD	ANI	RU	22	2188	227205827	8128	2400	NA	21	17-Jan-10	26.05	25.877
75	BD	ANI	RU	22	2189	227206218	8128	3200	65	32	17-Jan-10	21.65	24.048
76	BD	ANI	RU	22	2129	227206411	8128	2400	NA	21	17-Jan-10	23.21	25.877
77	BD	ANI	RU	22	2003	227206441	8128	3300	NA	31	17-Jan-10	25.64	24.186
78	BD	ANI	RU	22	2173	227206755	8128	3200	65	31	17-Jan-10	23.97	24.186
79	BD	ANI	RU	22	2172	227210772	8128	2400	65	22	17-Jan-10	21.46	25.676
80	BD	ANI	RU	22	2044	227211659	8128	1800	NA	17	17-Jan-10	28.74	26.795
81	BD	ANI	RU	22	2079	227212443	8128	3700	NA	31	17-Jan-10	30.61	24.186
82	BD	ANI	RU	22	2015	227212974	8128	3500	NA	27	17-Jan-10	24.33	24.786
83	BD	ANI	RU	22	2074	227215803	8128	2100	65	32	17-Jan-10	21.86	24.048
84	BD	ANI	RU	22	2149	227217120	8128	2400	64	21	17-Jan-10	25.63	25.877
85	BD	ANI	RU	22	2150	227217174	8128	2000	65	21	17-Jan-10	24.62	25.877
86	BD	ANI	RU	22	2027	227217826	8128	3700	65	28	17-Jan-10	21.64	24.628
87	BD	ANI	RU	22	2065	227273132	8128	1500	NA	16	17-Jan-10	26.98	27.059
88	BD	ANI	RU	22	2062	227274064	8128	1500	NA	14	17-Jan-10	28.78	27.638
89	BD	ANI	RU	22	2142	227275140	8128	2400	65	32	17-Jan-10	21.68	24.048
90	BD	ANI	RU	22	2191	227275182	8128	3300	65	31	17-Jan-10	23.51	24.186
91	BD	ANI	RU	22	2054	227275197	8128	2200	65	21	17-Jan-10	21.92	25.877
92	BD	ANI	RU	22	2059	227275823	8128	1800	NA	15	17-Jan-10	26.98	27.339
93	BD	ANI	RU	22	2001	No. Kosong	8128	1200	NA	11	17-Jan-10	28.78	28.686
94	BD	ANI	RU	22	2008	No. Kosong	8128	1200	NA	11	17-Jan-10	21.68	28.686
95	BD	ANI	RU	22	2011	No. Kosong	8128	1200	NA	11	17-Jan-10	23.51	28.686
96	BD	ANI	RU	22	2024	No. Kosong	8128	1200	NA	11	17-Jan-10	21.92	28.686
97	BD	ANI	RU	22	2043	No. Kosong	8128	1200	NA	11	17-Jan-10	26.86	28.686
98	BD	ANI	RU	22	2049	No. Kosong	8128	1300	NA	11	17-Jan-10	24.63	28.686
99	BD	ANI	RU	22	2071	No. Kosong	8128	1200	NA	11	17-Jan-10	20.91	28.686
100	BD	ANI	RU	22	2076	No. Kosong	8128	1200	NA	11	17-Jan-10	26.43	28.686

101	BD	ANI	RU	22	2078	No. Kozong	8128	1300	NA	12	17-Jan-10	23.81	28.308
102	BD	ANI	RU	22	2081	No. Kozong	8128	1300	NA	12	17-Jan-10	23.39	28.308
103	BD	ANI	RU	22	2092	No. Kozong	8128	3200	NA	25	17-Jan-10	27.63	25.12
104	BD	ANI	RU	22	2116	No. Kozong	8128	1200	NA	11	17-Jan-10	22.32	28.686
105	BD	ANI	RU	22	2118	No. Kozong	8128	1200	NA	11	17-Jan-10	25.68	28.686
106	BD	ANI	RU	22	2120	No. Kozong	8128	1300	NA	12	17-Jan-10	26.45	28.308
107	BD	ANI	RU	22	2127	No. Kozong	8128	2000	65	21	17-Jan-10	20.39	25.877
108	BD	ANI	RU	22	2133	No. Kozong	8128	1200	NA	11	17-Jan-10	21.34	28.686
109	BD	ANI	RU	22	2155	No. Kozong	8128	2100	NA	18	17-Jan-10	26.06	26.547
110	BD	ANI	RU	22	2157	No. Kozong	8128	1200	NA	11	17-Jan-10	24.25	28.686
111	BD	ANI	RU	22	2161	No. Kozong	8128	3300	NA	31	17-Jan-10	21.35	24.186
112	BD	ANI	RU	22	2163	No. Kozong	8128	1300	NA	12	17-Jan-10	26.73	28.308
113	BD	ANI	RU	22	2167	No. Kozong	8128	1300	NA	12	17-Jan-10	24.35	28.308
114	BD	ANI	RU	22	2170	No. Kozong	8128	1300	NA	12	17-Jan-10	26.05	28.308
115	BD	ANI	RU	22	2193	No. Kozong	8128	1200	NA	11	17-Jan-10	21.65	28.686
116	BD	ANI	RU	22	2200	No. Kozong	8128	4000	NA	30	17-Jan-10	23.21	24.328

LAMPIRAN B
SPEKIFIKASI SMARTEDGE 800
REDBACK NETWORK

LAMPIRAN SPESIFIKASI SMARTEDGE 800 REDBACK NETWORK

Redback Networks

SmartEdge 800

PRODUCT SPECIFICATIONS

Hardware

Chassis

- 15.75" (H) x 17.5" (W) x 16" (D), four chassis per 7' rack.
- 19" and 23" rack mountable (front)
- 14 slots, 2 for Route Processors; 12 universal slots for line cards, Weight: 50 lbs unloaded; fully loaded chassis approx. 90 lbs
- Connectors on chassis: Power A, B; dual BITS synchronization inputs and outputs; alarm output, status input.

Cross Connect Route Processor (XCRP) Module

- 2 per chassis (1 working + 1 hot standby)
- Power PC 750
- 1.25 GB memory for XCRP-Advanced
- 768 MB memory for XCRP-Base
- PC card slot for 1 GB Microdrive for secondary storage
- BITS clock sources (2) for external stratum clock inputs
- Stratum 3 Oscillator
- Management ports: 2 craft ports: DB-9 RS-232, Rear async modem port, Ethernet 10/100TX

Line Cards

- Dual Packet Processing ASICs (PPA); 1 for ingress processing, 1 for egress processing
- Packet mesh ASICs
- Forwarding performance of 160 Gbps or 65 Mpps

Card Types

- 1 port Channelized OC-12 to DS3
- 1 port Channelized OC-12 to DS1/DS3 (336 channels)
- 12 port Channelized DS3 (336 channels)
- 12 port Clear Channel DS3
- 3 port Channelized STM-1 (336 channels)
- 24 port Channelized E1 (336 channels)
- 1 port OC-48c/STM-16
- 4 port OC-12c/STM-4
- 8 port OC-3c/STM-1
- 1 port OC-12c/STM-4 ATM
- 4 port OC-3c/STM-1 ATM
- 12 port DS3 ATM
- 12 port 10/100TX Ethernet
- 4 port Gigabit Ethernet

Redundancy

- 1+1 for all common CPUs, clock and independent power to each line card
- Hot standby route processors
- Restartable routing processes

Operating Environment

- Temperature: 0-40 degrees
- Humidity: 5-90% RH
- Power: -48 V DC

Compliance

- NEBS Level III in process, CE Mark, UL 1950, GR-63 Core, GR-1089 Core, ETS 300 386-2 FCC Part 15, EN55022 class A, ETS 300 386-2

Software

Architectural Features

- Restartable routing processes, Non-stop forwarding, Hot standby Route Processors, Active Component Upgrade

Virtual Private Networks

- MPLS VPNs (RFC 2547bis), Carrier of carriers and Inter-AS VPN, Layer 2 VPNs (draft-martini), Transport Independent VPN (MPLS VPN over soft GRE), Multicast over MPLS VPN, GRE

Broadband Subscriber Management

- RADIUS Authentication, Authorization, and Accounting (AAA), dynamic circuit binding

Encapsulations

- PPP/HDLC, cHDLC, Ethernet, IEEE 802.1q, RFC 1490 routed IP over Frame Relay, MPLS, MLPPP, 802.3ad
- PPP over Ethernet (RFC 2516), PPP over ATM, RFC 1483 bridged and routed IP over ATM

Routing Protocols

- BGP-4 (RFC 1771), IS-IS (RFC 1195 & ISO/IEC 10589), OSPF v2 (RFC 2328), RIP v2 (RFC 2453), VRRP (RFC 2338)

Multicast Protocols

- PIM-SM (RFC 2362), IGMP v1, v2, v3 (RFC 3376), SSM (IETF Draft), MBGP (IETF Draft), MSDP (IETF Draft)

MPLS Features

- Traffic Engineering, RSVP (RFC 3209), LDP (RFC 3036), Layer 3 VPN (RFC 2547bis), Layer 2 VPN (draft-martini)

Quality of Service

- Packet classification; DiffServ AF1-4 & EF packet marking by ACL, ingress policing, or BGP attribute-based QoS; class-based ingress policing and egress shaping; priority queueing and EDRR; RED and WRED; MPLS E-LSPs

Security

- Reverse Path Forwarding (RPF) check, SSH, MD5 support for routing protocols, key rollover, RADIUS, TACACS+; Administrative ACLs

Subscriber Awareness

- Subscriber Name, Session, IP Address

Address Management

- DHCP Relay, DHCP Proxy, IPCP parameter negotiation

Advanced Features

- Multiple contexts with intercontext routing
- Premium Service Insertion
- Cross connect support
- Bulkstats
- Network Address Translation (NAT)
- Dynamically Verified Static Routing (DVSR)
- Policy routing
- Traffic mirroring
- Access Control Lists

Configuration and Network Management

- Industry familiar Command Line Interface (CLI) support via telnet or Secure Shell (SSH)
- Multiple user groups or access levels with definable access privileges
- User authentication via RADIUS, TACACS+, local file
- Transaction based configuration against a configuration database including commits, aborts and ability to roll back unintended changes
- NetOp EMS support for event logs, SNMP traps, interface statistics for troubleshooting and performance monitoring, port views and chassis views.

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