

VECTOR Limited
Electricity Lines Business

Reliability Performance Measures To Be Disclosed By Lines Owners (Other Than Transpower)

For the year ended 31 March 2002

FIRST SCHEDULE – PART 5

1. Interruptions

	2002	2001	2000	1999
Total number of interruptions according to class				
Class A	-	-	-	-
Class B	26	14	50	80
Class C	299	344	397	521
Class D	6	4	1	4
Class E	-	-	-	-
Class F	-	-	-	-
Class G	-	-	-	-
Class H	-	-	-	-
Class I	-	-	-	-
Total interruptions	331	362	448	605

2. Interruptions targets

	2003
(a) Planned (class B)	20
(b) Unplanned (class C)	308

3. Average interruptions targets

	2003-2007
(a) Planned (class B)	13
(b) Unplanned (class C)	261

4. The proportion (expressed as a percentage) of the total number of class interruptions not restored within:

	2002
(a) 3 hours	2.67
(b) 24 hours	Nil

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FIRST SCHEDULE – PART 5 - CONTINUED

5. Faults per 100 circuit kilometres of prescribed voltage electric lines

	2002	2001	2000	1999		
(a) The total number of faults	9.36	10.68	10.51	12.30		
					2003	
(b) The targeted number of faults					9.30	
					2003-2007	
(c) The average number of faults					7.67	
(d) Breakdown of (a) to (c) according to line voltage:						
	6.6kV	11kV	22kV	33kV	110kV	Total
(a) 2002	1.53	10.17	2.37	5.34	13.88	9.36
(b) 2003	3.05	10.32	4.74	2.85	6.17	9.30
(c) 2003-2007	1.83	8.51	4.43	2.35	5.24	7.67

6. Number of faults per 100 kilometres of prescribed voltage underground cables

	6.6kV	11kV	22kV	33kV	110kV	Total
2002	0.00	7.90	2.43	4.68	6.17	7.06
2001	1.65	6.64	7.13	5.03	3.00	6.26
2000	1.00	7.84	5.27	2.52	1.46	6.45
1999	1.24	9.72	6.76	3.05	6.12	7.92

7. Number of faults per 100 kilometres of prescribed voltage overhead lines

	6.6kV	11kV	22kV	33kV	110kV	Total
2002	3.76	14.15	0.00	8.77	23.73	14.09
2001	3.54	20.22	0.00	13.15	23.73	19.56
2000	5.01	20.53	0.00	7.25	0.25	19.13
1999	4.35	23.69	0.00	10.83	0.22	21.87

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FIRST SCHEDULE – PART 5 - CONTINUED

SAIDI

8. The SAIDI for the total interruptions

2002	2001	2000	1999
56.32	49.55	59.17	82.26

9. SAIDI targets for the following financial year

2003

(a) Planned (class B)	0.50
(b) Unplanned (class C)	44.50

10. Average SAIDI targets

2003-2007

(a) Planned (class B)	0.50
(b) Unplanned (class C)	38.25

11. The SAIDI for the total interruptions within each interruption class

	2002	2001	2000	1999
Class A	-	-	-	-
Class B	0.68	0.51	3.38	6.49
Class C	50.48	48.90	53.75	74.70
Class D	5.15	0.14	2.04	1.07
Class E	-	-	-	-
Class F	-	-	-	-
Class G	-	-	-	-
Class H	-	-	-	-
Class I	-	-	-	-

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FIRST SCHEDULE – PART 5 - CONTINUED

SAIFI

12. The SAIFI for the total interruptions

2002	2001	2000	1999
1.05	1.01	1.14	1.26

13. SAIFI targets for the following financial year

	2003
(a) Planned (class B)	0.00
(b) Unplanned (class C)	0.95

14. Average SAIFI targets

	2003-2007
(a) Planned (class B)	0.00
(b) Unplanned (class C)	0.85

15. The SAIFI for the total interruptions within each interruption class

	2002	2001	2000	1999
Class A	-	-	-	-
Class B	0.01	0.00	0.02	0.03
Class C	0.79	0.99	0.99	1.16
Class D	0.25	0.02	0.13	0.07
Class E	-	-	-	-
Class F	-	-	-	-
Class G	-	-	-	-
Class H	-	-	-	-
Class I	-	-	-	-

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FIRST SCHEDULE – PART 5 - CONTINUED

CAIDI

16. The CAIDI for the total interruptions

2002	2001	2000	1999
53.89	49.00	52.08	65.45

17. CAIDI targets for the following financial year

	2003
(a) Planned (class B)	180.00
(b) Unplanned (class C)	46.84

18. Average CAIDI targets

	2003-2007
(a) Planned (class B)	180.00
(b) Unplanned (class C)	45.00

19. The CAIDI for the total interruptions within each interruption class

	2002	2001	2000	1999
Class A	-	-	-	-
Class B	107.55	176.15	180.48	196.15
Class C	64.24	49.36	54.29	64.59
Class D	20.38	8.00	16.00	15.89
Class E	-	-	-	-
Class F	-	-	-	-
Class G	-	-	-	-
Class H	-	-	-	-
Class I	-	-	-	-

Description of interruption classes as per The Electricity (Information Disclosure) Regulations 1999

Class A	Planned Transpower interruption
Class B	Planned interruption by a line operator (other than Transpower)
Class C	Unplanned interruption origination within the principal line owners works
Class D	Unplanned Transpower interruption
Class E	Unplanned interruption origination within the principal line owners works (generation)
Class F	Unplanned interruption (as E above) by persons other than principal line owner (generation)
Class G	Unplanned interruption caused by another line owner
Class H	Planned interruption caused by another line owner
Class I	Other (an interruption not referred to above)