



**EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10**

Company Name	<input type="text" value="Unison Networks Limited"/>
Disclosure Date	<input type="text" value="31 August 2015"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2015"/>

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 24 March 2015

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Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.

The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

The cell C8 entry (company name) is used in the template title blocks.

Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

Conditional Formatting Settings on Data Entry Cells

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).

Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).

Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.

Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.

Additional rows in schedules 5c, 6a, and 9e must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

Worksheet Completion Sequence

Calculation cells may show an incorrect value until precedent cell entries have been completed. Data entry may be assisted by completing the schedules in the following order:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	22,595	318	112,457	3,869	32,363
Network	5,162	73	25,692	884	7,394
Non-network	17,433	245	86,765	2,985	24,969
Expenditure on assets	29,628	417	147,462	5,073	42,436
Network	25,740	362	128,112	4,408	36,868
Non-network	3,888	55	19,349	666	5,568

17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	91,117	1,282
Standard consumer line charge revenue	94,378	1,259
Non-standard consumer line charge revenue	31,131	192,029

23 1(iii): Service intensity measures

Demand density	34	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	171	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	12	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	14,066	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	35,143	25.15%
Pass-through and recoverable costs excluding financial incentives and wash-ups	41,029	29.36%
Total depreciation	22,846	16.35%
Total revaluations	434	0.31%
Regulatory tax allowance	9,583	6.86%
Regulatory profit/(loss) including financial incentives and wash-ups	31,577	22.60%
Total regulatory income	139,744	

40 1(v): Reliability

Interruption rate	10.32	Interruptions per 100 circuit km
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Company Name	Unison Networks Limited
For Year Ended	31 March 2015

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 13	31 Mar 14	31 Mar 15
		%	%	%
7	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	5.53%	5.77%	5.42%
11	Excluding revenue earned from financial incentives	5.51%	5.73%	5.38%
12	Excluding revenue earned from financial incentives and wash-ups	5.51%	5.73%	5.38%
14	Mid-point estimate of post tax WACC	5.85%	5.43%	6.10%
15	25th percentile estimate	5.13%	4.71%	5.39%
16	75th percentile estimate	6.56%	6.14%	6.82%
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	6.31%	6.45%	6.21%
21	Excluding revenue earned from financial incentives	6.28%	6.42%	6.16%
22	Excluding revenue earned from financial incentives and wash-ups	6.28%	6.42%	6.16%
24	WACC rate used to set regulatory price path	8.77%	8.77%	8.77%
26	Mid-point estimate of vanilla WACC	6.62%	6.11%	6.89%
27	25th percentile estimate	5.91%	5.39%	6.17%
28	75th percentile estimate	7.34%	6.83%	7.60%
30	2(ii): Information Supporting the ROI	(\$000)		
32	Total opening RAB value	521,046		
33	plus Opening deferred tax	(17,110)		
34	Opening RIV		503,936	
36	Line charge revenue		141,720	
38	Expenses cash outflow	76,172		
39	add Assets commissioned	43,840		
40	less Asset disposals	3,565		
41	add Tax payments	5,981		
42	less Other regulated income	(1,976)		
43	Mid-year net cash outflows		124,404	
45	Term credit spread differential allowance		0	
47	Total closing RAB value	538,909		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	-		
50	plus Closing deferred tax	(20,712)		
51	Closing RIV		518,196	
53	ROI – comparable to a vanilla WACC			6.21%
55	Leverage (%)			44%
56	Cost of debt assumption (%)			6.36%
57	Corporate tax rate (%)			28%
59	ROI – comparable to a post tax WACC			5.42%

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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sch ref

2(iii): Information Supporting the Monthly ROI

61							
62							
63	Opening RIV						N/A
64							
65							
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
67	April						-
68	May						-
69	June						-
70	July						-
71	August						-
72	September						-
73	October						-
74	November						-
75	December						-
76	January						-
77	February						-
78	March						-
79	Total	-	-	-	-	-	-
80							
81	Tax payments						N/A
82							
83	Term credit spread differential allowance						N/A
84							
85	Closing RIV						N/A
86							
87							
88	Monthly ROI – comparable to a vanilla WACC						N/A
89							
90	Monthly ROI – comparable to a post tax WACC						N/A

2(iv): Year-End ROI Rates for Comparison Purposes

92		
93		
94	Year-end ROI – comparable to a vanilla WACC	5.95%
95		
96	Year-end ROI – comparable to a post tax WACC	5.16%
97		

* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

2(v): Financial Incentives and Wash-Ups

101		
102	Net recoverable costs allowed under incremental rolling incentive scheme	-
103	Purchased assets – avoided transmission charge	307
104	Energy efficiency and demand incentive allowance	-
105	Quality incentive adjustment	-
106	Other financial incentives	-
107	Financial incentives	307
108		
109	Impact of financial incentives on ROI	0.04%
110		
111	Input methodology claw-back	-
112	Recoverable customised price-quality path costs	-
113	Catastrophic event allowance	-
114	Capex wash-up adjustment	-
115	Transmission asset wash-up adjustment	-
116	2013–2015 NPV wash-up allowance	-
117	Reconsideration event allowance	-
118	Other wash-ups	-
119	Wash-up costs	-
120		
121	Impact of wash-up costs on ROI	-

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
 This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	141,720
10	plus Gains / (losses) on asset disposals	(3,185)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	1,209
12		
13	Total regulatory income	139,744
14	Expenses	
15	less Operational expenditure	35,143
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	41,029
18		
19	Operating surplus / (deficit)	63,572
20		
21	less Total depreciation	22,846
22		
23	plus Total revaluations	434
24		
25	Regulatory profit / (loss) before tax	41,160
26		
27	less Term credit spread differential allowance	0
28		
29	less Regulatory tax allowance	9,583
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	31,577
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	771
36	Commerce Act levies	227
37	Industry levies	415
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	33,448
41	Transpower new investment contract charges	216
42	System operator services	
43	Distributed generation allowance	5,951
44	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	41,029
47		

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
 This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)	
		CY-1	CY
		31 Mar 14	31 Mar 15
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
56			
57	CY-5 31 Mar 10		
58	CY-4 31 Mar 11		
59	CY-3 31 Mar 12		
60	CY-2 31 Mar 13		
61	CY-1 31 Mar 14		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		-
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref	4(i): Regulatory Asset Base Value (Rolled Forward)	for year ended				
		RAB 31 Mar 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)
7	4(i): Regulatory Asset Base Value (Rolled Forward)					
10	Total opening RAB value	454,333	478,942	488,395	491,718	521,046
12	less Total depreciation	17,597	19,435	20,409	21,312	22,846
14	plus Total revaluations	10,966	7,502	4,188	7,425	434
16	plus Assets commissioned	31,589	21,590	20,048	48,677	43,840
18	less Asset disposals	349	204	504	5,462	3,565
20	plus Lost and found assets adjustment					-
22	plus Adjustment resulting from asset allocation					0
24	Total closing RAB value	478,942	488,395	491,718	521,046	538,909

sch ref	4(ii): Unallocated Regulatory Asset Base	Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
29	Total opening RAB value		521,046		521,046
31	less Total depreciation		22,846		22,846
33	plus Total revaluations		434		434
35	plus Assets commissioned (other than below)	18,330		18,330	
36	Assets acquired from a regulated supplier				
37	Assets acquired from a related party	25,510		25,510	
38	Assets commissioned		43,840		43,840
40	less Asset disposals (other than below)	3,565		3,565	
41	Asset disposals to a regulated supplier				
42	Asset disposals to a related party				
43	Asset disposals		3,565		3,565
45	plus Lost and found assets adjustment				
47	plus Adjustment resulting from asset allocation				0
49	Total closing RAB value		538,909		538,909

* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowance being made for the allocation of costs to services provided by the supplier that are not electricity distribution services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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4(iii): Calculation of Revaluation Rate and Revaluation of Assets

CPI _t	1,193
CPI _{t-4}	1,192
Revaluation rate (%)	0.08%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	521,046		521,046	
less Opening value of fully depreciated, disposed and lost assets	3,409		3,409	
Total opening RAB value subject to revaluation	517,637		517,637	
Total revaluations		434		434

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		8,460		8,460
plus Capital expenditure	41,806		41,878	
less Assets commissioned	43,840		43,840	
plus Adjustment resulting from asset allocation			(73)	
Works under construction - current disclosure year		6,426		6,425
Highest rate of capitalised finance applied				6.73%

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

76 4(v): Regulatory Depreciation

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	22,846		22,846	
80 Depreciation - no standard life assets				
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 Total depreciation		22,846		22,846

85 4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

86 Asset or assets with changes to depreciation*	87 Reason for non-standard depreciation (text entry)	88 Depreciation charge for the period (RAB)	89 Closing RAB value under 'non-standard' depreciation	90 Closing RAB value under 'standard' depreciation

* include additional rows if needed

96 4(vii): Disclosure by Asset Category

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99 Total opening RAB value	20,432	13,479	57,697	104,875	133,789	88,569	45,842	18,311	38,052	521,046
100 less Total depreciation	584	348	2,146	4,102	4,284	2,965	1,592	1,407	5,418	22,846
101 plus Total revaluations	17	11	47	88	113	74	38	15	31	434
102 plus Assets commissioned	139	4,874	12,977	6,316	3,946	4,911	4,420	126	6,131	43,840
103 less Asset disposals	-	-	1,304	-	-	639	1,516	(29)	136	3,565
104 plus Lost and found assets adjustment										-
105 plus Adjustment resulting from asset allocation										-
106 plus Asset category transfers										-
107 Total closing RAB value	20,004	18,016	67,271	107,177	133,564	89,950	47,192	17,074	38,660	538,909
109 Asset Life										
110 Weighted average remaining asset life	52.0	43.9	34.5	49.3	41.5	36.6	33.4	21.3	15.5	(years)
111 Weighted average expected total asset life	73.8	55.4	46.2	68.4	56.3	50.6	40.0	41.3	17.6	(years)

Company Name	Unison Networks Limited
For Year Ended	31 March 2015

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5e(i): Regulated Service Asset Values		Value allocated (\$000s)
		Electricity distribution services
7		
8		
9		
10	Subtransmission lines	
11	Directly attributable	20,004
12	Not directly attributable	
13	Total attributable to regulated service	20,004
14	Subtransmission cables	
15	Directly attributable	18,016
16	Not directly attributable	
17	Total attributable to regulated service	18,016
18	Zone substations	
19	Directly attributable	67,271
20	Not directly attributable	
21	Total attributable to regulated service	67,271
22	Distribution and LV lines	
23	Directly attributable	107,177
24	Not directly attributable	
25	Total attributable to regulated service	107,177
26	Distribution and LV cables	
27	Directly attributable	133,564
28	Not directly attributable	
29	Total attributable to regulated service	133,564
30	Distribution substations and transformers	
31	Directly attributable	89,950
32	Not directly attributable	
33	Total attributable to regulated service	89,950
34	Distribution switchgear	
35	Directly attributable	47,192
36	Not directly attributable	
37	Total attributable to regulated service	47,192
38	Other network assets	
39	Directly attributable	17,074
40	Not directly attributable	
41	Total attributable to regulated service	17,074
42	Non-network assets	
43	Directly attributable	38,660
44	Not directly attributable	
45	Total attributable to regulated service	38,660
46		
47	Regulated service asset value directly attributable	538,909
48	Regulated service asset value not directly attributable	-
49	Total closing RAB value	538,909
50		

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
53	Change in asset value allocation 1		
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			
62	Change in asset value allocation 2		
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		
66			
67	Rationale for change		
68			
69			
70			
71	Change in asset value allocation 3		
72	Asset category		
73	Original allocator or line items		
74	New allocator or line items		
75			
76	Rationale for change		
77			
78			

* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.
 † include additional rows if needed

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 70

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		41,160
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	-	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	35	*
12	Amortisation of initial differences in asset values	5,696	
13	Amortisation of revaluations	1,442	
14			7,173
15			
16	<i>less</i> Total revaluations	434	
17	Income included in regulatory profit / (loss) before tax but not taxable	-	*
18	Discretionary discounts and customer rebates	-	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20	Notional deductible interest	13,674	
21			14,109
22			
23	Regulatory taxable income		34,224
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		34,224
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		9,583

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

36	Opening unamortised initial differences in asset values	137,206	
37	<i>less</i> Amortisation of initial differences in asset values	5,696	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	1,098	
40	Closing unamortised initial differences in asset values		130,412
41			
42	Opening weighted average remaining useful life of relevant assets (years)		24
43			

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 70

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	486,150	
47			
48	Adjusted depreciation	21,404	
49	Total depreciation	22,846	
50	Amortisation of revaluations		1,442
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses	-	
55	plus Current period tax losses	-	
56	less Utilised tax losses	-	
57	Closing tax losses		-
58	5a(vi): Calculation of Deferred Tax Balance		(\$000)
59			
60	Opening deferred tax	(17,110)	
61			
62	plus Tax effect of adjusted depreciation	5,993	
63			
64	less Tax effect of tax depreciation	8,056	
65			
66	plus Tax effect of other temporary differences*	83	
67			
68	less Tax effect of amortisation of initial differences in asset values	1,595	
69			
70	plus Deferred tax balance relating to assets acquired in the disclosure year		
71			
72	less Deferred tax balance relating to assets disposed in the disclosure year	27	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	Closing deferred tax		(20,712)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		(\$000)
82			
83	Opening sum of regulatory tax asset values	287,230	
84	less Tax depreciation	28,772	
85	plus Regulatory tax asset value of assets commissioned	40,947	
86	less Regulatory tax asset value of asset disposals	2,369	
87	plus Lost and found assets adjustment		
88	plus Adjustment resulting from asset allocation		
89	plus Other adjustments to the RAB tax value		
90	Closing sum of regulatory tax asset values		297,036

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5b(i): Summary—Related Party Transactions

(\$000)

Total regulatory income	
Operational expenditure	12,474
Capital expenditure	25,510
Market value of asset disposals	
Other related party transactions	

5b(ii): Entities Involved in Related Party Transactions

Name of related party	Related party relationship
Unison Fibre Limited	A wholly owned subsidiary of Unison Networks Limited that sells fibre optic interconnection services to Unison Networks
ETEL Limited	A wholly owned subsidiary of Unison Networks Limited that sells electricity distribution transformers to Unison Networks
Unison Insurance Limited	A wholly owned subsidiary of Unison Networks Limited that insures certain transmission and distribution assets and provides material damage and business interruption cover to Unison Networks Limited.
Unison Contracting Services Limited	A wholly owned subsidiary of Unison Networks Limited that provides design, construction and maintenance contracting services in relation to electricity distribution, line function services and fibre optic networks.

* include additional rows if needed

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
Unison Fibre Limited	Opex	Fibre optic interconnections	637	ID clause 2.3.6(1)(a)
Unison Fibre Limited	Opex	Corporate overhead charge. Offsets against Unison Networks Limited non-network opex.	(352)	ID clause 2.3.6(1)(a)
ETEL Limited	Capex	Purchase of electrical distribution transformers and other electrical components	2,005	IM clause 2.2.11(5)(b)(i)
Unison Insurance Limited	Opex	Insurance premium - Transmission and Distribution policy	1,066	ID clause 2.3.6(1)(f)
Unison Insurance Limited	Opex	Insurance premium - Material Damage policy	601	ID clause 2.3.6(1)(a)
Unison Contracting Services Limited	Capex	Construction of new network equipment	6,327	IM clause 2.2.11(5)(f)
Unison Contracting Services Limited	Capex	Construction of new network equipment	14,072	IM clause 2.2.11(5)(g)
Unison Contracting Services Limited	Capex	Non network asset purchases	3,106	IM clause 2.2.11(5)(g)
Unison Contracting Services Limited	Opex	Service Interruptions and emergencies	2,581	ID clause 2.3.6(1)(b)
Unison Contracting Services Limited	Opex	Vegetation Management	1,175	ID clause 2.3.6(1)(b)
Unison Contracting Services Limited	Opex	Routine and corrective maintenance and inspection	2,136	ID clause 2.3.6(1)(b)
Unison Contracting Services Limited	Opex	Asset replacement and renewal	874	ID clause 2.3.6(1)(b)
Unison Contracting Services Limited	Opex	Systems operations and network support	(210)	ID clause 2.3.6(1)(b)
Unison Contracting Services Limited	Opex	Business support	3,966	ID clause 2.3.6(1)(b)
	[Select one]			[Select one]

* include additional rows if needed

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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5c(i): Qualifying Debt (may be Commission only)

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
Unison Networks Limited	31/10/2011	31/8/2011	10.0	3.78%	58,997	70,055	88	24	(103)
Unison Networks Limited	31/10/2011	31/8/2011	12.0	3.98%	58,997	70,055	88	24	(120)
* include additional rows if needed						140,109	177	47	(224)

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5c(ii): Attribution of Term Credit Spread Differential

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Gross term credit spread differential		0
Total book value of interest bearing debt	262,609	
Leverage	44%	
Average opening and closing RAB values	529,977	
Attribution Rate (%)		89%
Term credit spread differential allowance		0

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 5d(i): Operating Cost Allocations

		Value allocated (\$000s)			
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total
					OVABAA allocation increase (\$000s)
10	Service interruptions and emergencies				
11	Directly attributable		2,926		
12	Not directly attributable				
13	Total attributable to regulated service		2,926		
14	Vegetation management				
15	Directly attributable		1,176		
16	Not directly attributable				
17	Total attributable to regulated service		1,176		
18	Routine and corrective maintenance and inspection				
19	Directly attributable		2,774		
20	Not directly attributable				
21	Total attributable to regulated service		2,774		
22	Asset replacement and renewal				
23	Directly attributable		1,153		
24	Not directly attributable				
25	Total attributable to regulated service		1,153		
26	System operations and network support				
27	Directly attributable		3,194		
28	Not directly attributable		3,192		3,192
29	Total attributable to regulated service		6,386		
30	Business support				
31	Directly attributable		8,091		
32	Not directly attributable		12,636	1,886	14,522
33	Total attributable to regulated service		20,727		
34					
35	Operating costs directly attributable		19,314		
36	Operating costs not directly attributable		15,828	1,886	17,714
37	Operational expenditure		35,142		

39 5d(ii): Other Cost Allocations

		(\$000)
40	Pass through and recoverable costs	
41	Pass through costs	
42	Directly attributable	1,414
43	Not directly attributable	
44	Total attributable to regulated service	1,414
45	Recoverable costs	
46	Directly attributable	33,664
47	Not directly attributable	
48	Total attributable to regulated service	33,664

50 5d(iii): Changes in Cost Allocations* †

		(\$000)		
			CY-1	Current Year (CY)
52	Change in cost allocation 1			
53	Cost category			
54	Original allocator or line items			
55	New allocator or line items			
56				
57	Rationale for change			
58				
59				
60	Change in cost allocation 2			
61	Cost category			
62	Original allocator or line items			
63	New allocator or line items			
64				
65	Rationale for change			
66				
67				
68				
69	Change in cost allocation 3			
70	Cost category			
71	Original allocator or line items			
72	New allocator or line items			
73				
74	Rationale for change			
75				
76				
77				

* a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.

† include additional rows if needed

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			8,315
9	System growth			9,750
10	Asset replacement and renewal			15,302
11	Asset relocations			497
12	Reliability, safety and environment:			
13	Quality of supply	4,845		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	1,327		
16	Total reliability, safety and environment			6,171
17	Expenditure on network assets			40,035
18	Expenditure on non-network assets			6,047
19				
20	Expenditure on assets			46,082
21	plus Cost of financing			595
22	less Value of capital contributions			4,800
23	plus Value of vested assets			-
24				
25	Capital expenditure			41,878
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			
28	Overhead to underground conversion			1,834
29	Research and development			692
30	6a(iii): Consumer Connection			
31	Consumer types defined by EDB*		(\$000)	(\$000)
32	Simple customer connections		1,766	
33	Complex customer connections		6,206	
34	Special customer connections		343	
35	[EDB consumer type]			
36	[EDB consumer type]			
37	* include additional rows if needed			
38	Consumer connection expenditure			8,315
39				
40	less Capital contributions funding consumer connection expenditure		3,005	
41	Consumer connection less capital contributions			5,310
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission		-	3,409
46	Zone substations		5,127	1,821
47	Distribution and LV lines		2,582	5,261
48	Distribution and LV cables		1,022	3,285
49	Distribution substations and transformers		299	711
50	Distribution switchgear		2	711
51	Other network assets		718	104
52	System growth and asset replacement and renewal expenditure		9,750	15,302
53	less Capital contributions funding system growth and asset replacement and renewal		1,103	331
54	System growth and asset replacement and renewal less capital contributions		8,646	14,971
55				
56	6a(v): Asset Relocations			
57	Project or programme*		(\$000)	(\$000)
58	Asset Relocations		497	
59	[Description of material project or programme]			
60	[Description of material project or programme]			
61	[Description of material project or programme]			
62	[Description of material project or programme]			
63	* include additional rows if needed			
64	All other projects or programmes - asset relocations			
65	Asset relocations expenditure			497
66	less Capital contributions funding asset relocations		360	
67	Asset relocations less capital contributions			137

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	33kV Protection Upgrade Programme		699	
72	Transformer Protection Upgrade Programme		612	
73	Communication network optimisation		475	
74	Distribution transformer monitoring programme		897	
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		2,162	
78	Quality of supply expenditure			4,845
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			4,845
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83	[Description of material project or programme]			
84	[Description of material project or programme]			
85	[Description of material project or programme]			
86	[Description of material project or programme]			
87	[Description of material project or programme]			
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Seismic Strengthening		449	
96	Oil Bunding Programme		148	
97	Arc Flash Upgrade Programme		124	
98	[Description of material project or programme]			
99	[Description of material project or programme]			
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		606	
102	Other reliability, safety and environment expenditure			1,327
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			1,327
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Motor Vehicles		2,378	
110	Plant, Equipment and Tools		1,795	
111	Information Technology		1,556	
112	Office Furniture		220	
113	Land and Buildings		98	
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure			
116	Routine expenditure			6,047
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119	[Description of material project or programme]			
120	[Description of material project or programme]			
121	[Description of material project or programme]			
122	[Description of material project or programme]			
123	[Description of material project or programme]			
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			6,047

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	2,926	
9	Vegetation management	1,176	
10	Routine and corrective maintenance and inspection	2,774	
11	Asset replacement and renewal	1,153	
12	Network opex		8,029
13	System operations and network support	6,387	
14	Business support	20,727	
15	Non-network opex		27,114
16			
17	Operational expenditure		35,143
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		617
22	Insurance		1,784
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Unison Networks Limited**For Year Ended **31 March 2015****SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE**

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

EDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.

sch ref

	Target (\$000) ¹	Actual (\$000)	% variance
7(i): Revenue			
Line charge revenue	142,507	141,720	(1%)
7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
Consumer connection	7,231	8,315	15%
System growth	14,673	9,750	(34%)
Asset replacement and renewal	14,089	15,302	9%
Asset relocations	753	497	(34%)
Reliability, safety and environment:			
Quality of supply	3,954	4,845	23%
Legislative and regulatory		–	–
Other reliability, safety and environment	510	1,327	160%
Total reliability, safety and environment	4,465	6,171	38%
Expenditure on network assets	41,212	40,035	(3%)
Expenditure on non-network assets	8,151	6,047	(26%)
Expenditure on assets	49,363	46,082	(7%)
7(iii): Operational Expenditure			
Service interruptions and emergencies	2,935	2,926	(0%)
Vegetation management	1,146	1,176	3%
Routine and corrective maintenance and inspection	2,680	2,774	3%
Asset replacement and renewal	1,303	1,153	(12%)
Network opex	8,064	8,029	(0%)
System operations and network support	7,092	6,387	(10%)
Business support	20,973	20,727	(1%)
Non-network opex	28,065	27,114	(3%)
Operational expenditure	36,129	35,143	(3%)
7(iv): Subcomponents of Expenditure on Assets (where known)			
Energy efficiency and demand side management, reduction of energy losses		–	–
Overhead to underground conversion	1,590	1,834	15%
Research and development	670	692	3%
7(v): Subcomponents of Operational Expenditure (where known)			
Energy efficiency and demand side management, reduction of energy losses		–	–
Direct billing		–	–
Research and development	565	617	9%
Insurance	1,928	1,784	(7%)

¹ From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination

² From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Total Network

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	32,751	33,435	684	3
9	All	Overhead Line	Wood poles	No.	26,054	25,576	(478)	3
10	All	Overhead Line	Other pole types	No.	6	6	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	426	427	1	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	45	53	9	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	2	-	(2)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	10	11	1	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	1 No.	33	33	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	76	74	(2)	4
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	1 No.	21	21	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	1 No.	89	89	-	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	1 No.	259	259	-	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	1 No.	19	19	-	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	59	59	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,745	3,884	139	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	3	3	0	3
36	HV	Distribution Line	SWER conductor	km	127	129	2	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	421	430	9	3
38	HV	Distribution Cable	Distribution UG PILC	km	301	301	0	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	255	255	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	1 No.	18	18	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	10,464	10,567	103	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	356	371	15	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	911	930	19	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	6,531	6,620	89	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	2,848	2,872	24	4
47	HV	Distribution Transformer	Voltage regulators	No.	27	32	5	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	107	107	-	3
49	LV	LV Line	LV OH Conductor	km	1,253	1,248	(5)	3
50	LV	LV Cable	LV UG Cable	km	2,564	2,596	32	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,648	1,667	19	3
52	LV	Connections	OH/UG consumer service connections	No.	108,255	108,823	568	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	1 No.	421	508	87	1
54	All	SCADA and communications	SCADA and communications equipment operating as a single	1 Lot	1	2	1	4
55	All	Capacitor Banks	Capacitors including controls	1 No.	3	3	-	4
56	All	Load Control	Centralised plant	1 Lot	15	16	1	4
57	All	Load Control	Relays	No.	4,826	4,814	(12)	2
58	All	Civils	Cable Tunnels	km	0	0	-	4

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Hawke's Bay

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	15,339	15,539	200	3
9	All	Overhead Line	Wood poles	No.	12,079	11,871	(208)	3
10	All	Overhead Line	Other pole types	No.	6	6	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	250	249	(1)	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	24	32	7	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	2	-	(2)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	10	11	1	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	25	25	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	45	40	(5)	4
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	21	21	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	71	71	-	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	188	188	-	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	19	19	-	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	42	41	(1)	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,018	2,014	(4)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1	1	0	3
36	HV	Distribution Line	SWER conductor	km	-	2	2	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	176	186	9	3
38	HV	Distribution Cable	Distribution UG PILC	km	264	264	0	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	94	92	(2)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	17	17	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	5,864	5,907	43	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	186	203	17	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	608	620	12	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,704	3,754	50	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,705	1,724	19	4
47	HV	Distribution Transformer	Voltage regulators	No.	14	17	3	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	52	52	-	3
49	LV	LV Line	LV OH Conductor	km	754	748	(7)	3
50	LV	LV Cable	LV UG Cable	km	1,949	1,970	21	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	987	994	7	3
52	LV	Connections	OH/UG consumer service connections	No.	61,821	62,043	222	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	326	378	52	1
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
55	All	Capacitor Banks	Capacitors including controls	No.	3	3	-	4
56	All	Load Control	Centralised plant	Lot	3	4	1	4
57	All	Load Control	Relays	No.	3,978	3,956	(22)	2
58	All	Civils	Cable Tunnels	km	0	0	-	4

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Central Region

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	17,412	17,896	484	3
9	All	Overhead Line	Wood poles	No.	13,975	13,705	(270)	3
10	All	Overhead Line	Other pole types	No.	-	-	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	176	177	1	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	20	21	1	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	8	8	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	31	34	3	4
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	18	18	-	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	71	71	-	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	17	18	1	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,727	1,870	143	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	3	3	0	3
36	HV	Distribution Line	SWER conductor	km	127	127	(0)	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	245	245	(0)	3
38	HV	Distribution Cable	Distribution UG PILC	km	37	36	(0)	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	161	163	2	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	1	1	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4,600	4,660	60	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	170	168	(2)	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	303	310	7	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,827	2,866	39	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,143	1,148	5	4
47	HV	Distribution Transformer	Voltage regulators	No.	13	15	2	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	55	55	-	3
49	LV	LV Line	LV OH Conductor	km	499	501	1	3
50	LV	LV Cable	LV UG Cable	km	615	626	11	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	661	674	13	3
52	LV	Connections	OH/UG consumer service connections	No.	46,434	46,780	346	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	95	130	35	1
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
55	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	4
56	All	Load Control	Centralised plant	Lot	12	12	-	4
57	All	Load Control	Relays	No.	848	858	10	2
58	All	Civils	Cable Tunnels	km	-	-	-	4

Company Name: Unison Networks Limited
For Year Ended: 31 March 2015
Network / Sub-network Name: Total Network

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

Table with columns: Voltage, Asset category, Asset class, Units, Disclosure Year (year ended) [31 March 2015], Number of assets at disclosure year end by installation date (pre-1940 to 2015), No. with age unknown, Items at end of year (quantity), No. with default dates, Data accuracy (1-4).

Company Name: Unison Networks Limited
For Year Ended: 31 March 2015
Network / Sub-network Name: Central Region

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

Table with columns: sch ref, Disclosure Year (year ended), Asset category, Asset class, Units, and a grid of years from 1940 to 2015. Includes summary columns for No. with age unknown, Items at end of year, No. with default dates, and Data accuracy.

Company Name **Unison Networks Limited**

For Year Ended **31 March 2015**

Network / Sub-network Name **Total Network**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

	Overhead (km)	Underground (km)	Total circuit length (km)
9			
10	Circuit length by operating voltage (at year end)		
11	-	-	-
12	-	-	-
13	427	64	491
14	129	-	129
15	-	-	-
16	3,887	731	4,618
17	1,248	2,596	3,845
18	5,691	3,392	9,083
19			
20	370	1,297	1,667
21			162
22			
23	Overhead circuit length by terrain (at year end)		
24	942	17%	
25	1,762	31%	
26	-	-	
27	2,665	47%	
28	-	-	
29	324	6%	
30	5,693	100%	
31			
32	(% of total circuit length)		
33	4,502	50%	
34	(% of total overhead length)		
35	5,691	100%	

Company Name **Unison Networks Limited**

For Year Ended **31 March 2015**

Network / Sub-network Name **Hawke's Bay**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
11	> 66kV	–	–	–
12	50kV & 66kV	–	–	–
13	33kV	249	43	292
14	SWER (all SWER voltages)	2	–	2
15	22kV (other than SWER)	–	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	2,015	450	2,465
17	Low voltage (< 1kV)	748	1,970	2,718
18	Total circuit length (for supply)	3,014	2,463	5,477
19				
20	Dedicated street lighting circuit length (km)	132	861	994
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			25
22				
23	Overhead circuit length by terrain (at year end)	(% of total overhead length)		
24	Urban	450		15%
25	Rural	1,240		41%
26	Remote only			–
27	Rugged only	1,257		42%
28	Remote and rugged			–
29	Unallocated overhead lines	67		2%
30	Total overhead length	3,014		100%
31				
32		(% of total circuit length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,955		54%
34		(% of total overhead length)		
35	Overhead circuit requiring vegetation management	3,014		100%

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Central Region

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
11	> 66kV	-	-	-
12	50kV & 66kV	-	-	-
13	33kV	177	21	199
14	SWER (all SWER voltages)	127	-	127
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	1,873	281	2,154
17	Low voltage (< 1kV)	501	626	1,127
18	Total circuit length (for supply)	2,678	929	3,607
19				
20	Dedicated street lighting circuit length (km)	238	436	674
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			138
22				
23	Overhead circuit length by terrain (at year end)	(% of total overhead length)		
24	Urban	492		18%
25	Rural	522		19%
26	Remote only			-
27	Rugged only	1,407		53%
28	Remote and rugged			-
29	Unallocated overhead lines	257		10%
30	Total overhead length	2,678		100%
31				
32		(% of total circuit length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,547		43%
34		(% of total overhead length)		
35	Overhead circuit requiring vegetation management	2,678		100%

Company Name **Unison Networks Limited**
 For Year Ended **31 March 2015**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network.

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9	None		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Total Network

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections
 Number of ICPs connected in year by consumer type

Consumer types defined by EDB*	Number of connections (ICPs)
DNR	3,766
I60	41
M11	37,195
M12	52,773
MC1	6,789
MC2	576
MC3	347
MC4	-
MC5	112
MC6	47
MC7	14
MC8	23
MC9	21
NDH	3,382
NDL	5,021
T1P	247
T3P	14
TCU	1
U01	369
U02	36
U03	11
UNI	11
Connections total	110,796

* include additional rows if needed

Distributed generation

Number of connections made in year	179	connections
Capacity of distributed generation installed in year	2	MVA

9e(ii): System Demand

	Demand at time of maximum coincident demand (MW)
Maximum coincident system demand	
GXP demand	277
plus Distributed generation output at HV and above	36
Maximum coincident system demand	313
less Net transfers to (from) other EDBs at HV and above	-
Demand on system for supply to consumers' connection points	313

	Energy (GWh)	
Electricity volumes carried		
Electricity supplied from GXPs	1,377	
less Electricity exports to GXPs	279	
plus Electricity supplied from distributed generation	539	
less Net electricity supplied to (from) other EDBs	-	
Electricity entering system for supply to consumers' connection points	1,637	
less Total energy delivered to ICPs	1,555	
Electricity losses (loss ratio)	82	5.0%
Load factor	0.60	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	1,086
Distribution transformer capacity (Non-EDB owned, estimated)	20
Total distribution transformer capacity	1,105
Zone substation transformer capacity	534

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Hawkes Bay

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*	Number of connections (ICPs)
DNR	536
I60	25
M11	21,690
M12	31,076
MC1	2,815
MC2	293
MC3	230
MC4	
MC5	53
MC6	33
MC7	13
MC8	14
MC9	12
NDH	2,306
NDL	3,502
T1P	155
T3P	8
TCU	
U01	251
U02	23
U03	8
UNI	1

* include additional rows if needed

Connections total 63,044

Distributed generation

Number of connections made in year	133	connections
Capacity of distributed generation installed in year	1.64	MVA

9e(ii): System Demand

	Demand at time of maximum coincident demand (MW)
Maximum coincident system demand	
GXP demand	182
plus Distributed generation output at HV and above	
Maximum coincident system demand	182
less Net transfers to (from) other EDBs at HV and above	
Demand on system for supply to consumers' connection points	182

	Energy (GWh)	
Electricity volumes carried		
Electricity supplied from GXPs	940	
less Electricity exports to GXPs		
plus Electricity supplied from distributed generation	19	
less Net electricity supplied to (from) other EDBs		
Electricity entering system for supply to consumers' connection points	959	
less Total energy delivered to ICPs	912	
Electricity losses (loss ratio)	47	4.9%
Load factor	0.60	

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	655
Distribution transformer capacity (Non-EDB owned, estimated)	11
Total distribution transformer capacity	666
Zone substation transformer capacity	362

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Central Region

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections
 Number of ICPs connected in year by consumer type

Consumer types defined by EDB*	Number of connections (ICPs)
DNR	3,230
I60	16
M11	15,505
M12	21,697
MC1	3,974
MC2	283
MC3	117
MC4	
MC5	59
MC6	14
MC7	1
MC8	9
MC9	9
NDH	1,076
NDL	1,519
T1P	92
T3P	6
TCU	1
U01	118
U02	13
U03	3
UNI	10
* include additional rows if needed	
Connections total	47,752

Distributed generation	
Number of connections made in year	46 connections
Capacity of distributed generation installed in year	0.19 MVA

9e(ii): System Demand

	Demand at time of maximum coincident demand (MW)
Maximum coincident system demand	
GXP demand	108
plus Distributed generation output at HV and above	36
Maximum coincident system demand	144
less Net transfers to (from) other EDBs at HV and above	
Demand on system for supply to consumers' connection points	144

	Energy (GWh)
Electricity volumes carried	
Electricity supplied from GXPs	437
less Electricity exports to GXPs	279
plus Electricity supplied from distributed generation	520
less Net electricity supplied to (from) other EDBs	
Electricity entering system for supply to consumers' connection points	678
less Total energy delivered to ICPs	644
Electricity losses (loss ratio)	34 5.1%
Load factor	0.54

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	431
Distribution transformer capacity (Non-EDB owned, estimated)	8
Total distribution transformer capacity	440
Zone substation transformer capacity	172

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Total Network

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)		
11	Class B (planned interruptions on the network)	565	
12	Class C (unplanned interruptions on the network)	368	
13	Class D (unplanned interruptions by Transpower)	1	
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)		
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)	3	
19	Total	937	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	217	151
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.25	34.4
27	Class C (unplanned interruptions on the network)	1.72	86.0
28	Class D (unplanned interruptions by Transpower)	0.05	0.9
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)	0.00	0.0
34	Total	2.02	121.3
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.97	115.3
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	2.73	148.0
41	* not applicable to exempt EDBs		

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Total Network

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.02	1.6
Vegetation	0.25	19.3
Adverse weather	0.08	20.3
Adverse environment		
Third party interference	0.14	8.6
Wildlife	0.08	3.3
Human error	0.17	0.8
Defective equipment	0.45	17.8
Cause unknown	0.52	14.2

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.01	1.1
Subtransmission cables	-	-
Subtransmission other		
Distribution lines (excluding LV)	0.18	25.1
Distribution cables (excluding LV)	0.06	8.1
Distribution other (excluding LV)		

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.24	5.8
Subtransmission cables	0.05	0.1
Subtransmission other	-	-
Distribution lines (excluding LV)	1.03	73.4
Distribution cables (excluding LV)	0.10	3.7
Distribution other (excluding LV)	0.01	0.9

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	29	427	6.80
Subtransmission cables	1	64	1.56
Subtransmission other			
Distribution lines (excluding LV)	761	4,016	18.95
Distribution cables (excluding LV)	131	731	17.91
Distribution other (excluding LV)	1		
Total	923		

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Central Region

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)		
11	Class B (planned interruptions on the network)	247	
12	Class C (unplanned interruptions on the network)	176	
13	Class D (unplanned interruptions by Transpower)		
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)		
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)	2	
19	Total	425	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	101	75
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.30	34.2
27	Class C (unplanned interruptions on the network)	1.99	125.2
28	Class D (unplanned interruptions by Transpower)	-	-
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)	0.00	0.0
34	Total	2.29	159.4
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	2.29	149.2
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*		
41	* not applicable to exempt EDBs		

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Central Region

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.05	3.8
Vegetation	0.34	23.8
Adverse weather	0.11	37.9
Adverse environment		
Third party interference	0.18	13.5
Wildlife	0.07	4.3
Human error	0.24	1.4
Defective equipment	0.50	23.5
Cause unknown	0.50	17.1

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.03	2.1
Subtransmission cables	-	-
Subtransmission other		
Distribution lines (excluding LV)	0.21	26.5
Distribution cables (excluding LV)	0.05	5.6
Distribution other (excluding LV)		

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.05	3.0
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	1.45	116.0
Distribution cables (excluding LV)	0.08	2.0
Distribution other (excluding LV)	0.03	2.1

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	8	177	4.51
Subtransmission cables		21	-
Subtransmission other			
Distribution lines (excluding LV)	359	2,000	17.95
Distribution cables (excluding LV)	50	281	17.78
Distribution other (excluding LV)	1		
Total	418		

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Hawkes Bay

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)		
11	Class B (planned interruptions on the network)	318	
12	Class C (unplanned interruptions on the network)	192	
13	Class D (unplanned interruptions by Transpower)	1	
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)		
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)	1	
19	Total	512	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	116	76
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.21	34.5
27	Class C (unplanned interruptions on the network)	1.52	56.3
28	Class D (unplanned interruptions by Transpower)	0.09	1.6
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)	0.00	0.0
34	Total	1.82	92.5
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.74	89.6
38			
39	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*		
41	* not applicable to exempt EDBs		

Company Name	Unison Networks Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Hawkes Bay

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.00	0.0
Vegetation	0.18	15.9
Adverse weather	0.06	7.0
Adverse environment		
Third party interference	0.12	5.0
Wildlife	0.09	2.5
Human error	0.12	0.4
Defective equipment	0.42	13.5
Cause unknown	0.53	12.0

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.00	0.4
Subtransmission cables	-	-
Subtransmission other		
Distribution lines (excluding LV)	0.15	24.1
Distribution cables (excluding LV)	0.06	10.0
Distribution other (excluding LV)		

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.38	7.8
Subtransmission cables	0.08	0.3
Subtransmission other		
Distribution lines (excluding LV)	0.72	41.2
Distribution cables (excluding LV)	0.11	4.9
Distribution other (excluding LV)		

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	21	249	8.43
Subtransmission cables	1	43	2.34
Subtransmission other			
Distribution lines (excluding LV)	402	2,017	19.93
Distribution cables (excluding LV)	81	450	18.00
Distribution other (excluding LV)			
Total	505		

Company Name	<u>Unison Networks Limited</u>
For Year Ended	<u>31 March 2015</u>

Schedule 14 Mandatory Explanatory Notes

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 1: Explanatory comment on return on investment

There has been no material re-classification of items in the disclosure year.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
 - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
 - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

The other regulatory income includes recovery from damages to the network and recognition of transmission expense avoided due to ownership of assets purchased from Transpower.

There has been no material re-classification of items in the disclosure year.

Merger and acquisition expenses (3(iv) of Schedule 3)

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

- 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
- 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

No merger and acquisition expenditure has been incurred during the disclosure year.

Value of the Regulatory Asset Base (Schedule 4)

- 7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)

The value of the regulatory asset base has been determined by rolling forward the initial regulatory asset base with allowance made for additions, disposals, depreciation and revaluation in accordance with the Electricity Distribution Services Input Methodologies Determination 2012.

There has been no re-classification of items in the disclosure year.

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)

- 8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
 - 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
 - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
 - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
 - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

Expenditure in regulatory profit before tax but not deductible

Entertainment Expenditure – non-deductible \$35k

Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

Box 6: Tax effect of other temporary differences (current disclosure year)

Other temporary differences:

Provision for Doubtful Debts	(125k)
Provision for Employee Entitlements	505k
Provision for stock obsolescence	(60k)
Other provisions	(23k)
Total	\$297

Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

Box 7: Related party transactions

Unison Networks Limited's wholly owned subsidiary – Unison Contracting Services Limited (UCSL) – provided electrical contracting services to maintain and develop the network during the 2015 disclosure year. UCSL related party transactions have been prepared on the basis of consolidating Unison Networks Limited and UCSL according to guidance previously provided to Unison from the Commerce Commission, which has been disclosed in previous years. The service component for a small number of larger projects have been treated as being competitively tendered and valued at market value.

In previous disclosures, although the regulations would have included UCSL as a 'related' party, the value of the transaction was omitted in Schedule 5b due to the notional consolidation basis. For the disclosures this year, Unison has confirmed with the Commerce Commission that the recognition of the transactions Unison had with UCSL that are accounted for using the notional consolidation approach should be classified as a related party under the Information Disclosure and Input Methodologies Determinations, and disclosed in the related parties Schedule 5b.

A detailed description of related party transactions has been disclosed in Schedule 5b.

There have been no related party transactions within the disclosure year that require further disclosure under clause 2.3.6(1)(b).

Cost allocation (Schedule 5d)

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 8: Cost allocation

Costs are allocated by applying ACAM. Expenses classified as not directly attributable are those which have been allocated to electricity and non-electricity activities.

Asset allocation (Schedule 5e)

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 9: Commentary on asset allocation

There have been no reclassified items.

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
 - 13.2 information on reclassified items in accordance with subclause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year

13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

Material projects are defined by Unison as those projects with significant strategic importance to the network as determined by Unison's engineers, or those projects with total Capital Costs of greater than \$150,000.

13.2 information on reclassified items in accordance with clause 2.7.1(2),

Network capex figures for the categories of 'System Growth and Asset Replacement and Renewal', 'Quality of Supply', 'Other Reliability, Safety and Environment', and 'Non-Network Assets' have been disaggregated into sub-categories, projects or programmes to meet the disclosure reporting requirements.

As a result of this disaggregation, there was a re-categorisation of several projects from the 'System Growth, Asset Replacement and Renewal' and 'Other Reliability, Safety and Environment' categories to the 'Quality of Supply' category.

Operational Expenditure for the Disclosure Year (Schedule 6b)

14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;

14.2 Information on reclassified items in accordance with subclause 2.7.1(2);

14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 11: Explanation of operational expenditure for the disclosure year

14.1 commentary on assets replaced or renewed with asset replacement and renewal operating expenditure, as reported in 6b(i) of Schedule 6b;

The predominant parts of 'Asset Replacement and Renewal' operational expenditure are the costs required for replacing components of assets identified through Unison's planned asset inspection programmes. The major contributor to this category of expenditure is cross-arm replacement followed by insulator replacement, LV pedestal replacement and then ground mounted transformer refurbishments.

14.2 information on reclassified items in accordance with clause 2.7.1(2);

There have been no reclassified items this disclosure year.

14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

There are no items identified as material atypical expenditure within network or non-network opex for the 2015 disclosure year.

Variance between forecast and actual expenditure (Schedule 7)

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

7(ii) Expenditure on Assets (CAPEX)

Network capital expenditure variance in the reporting period totalled 3%. There were some significant variances within categories of expenditure. The key drivers were deferral of 11kV feeder components of the Wairakei Pastoral development (System Growth) and increase in spend in Asset Replacement due to the advancement of a critical cable replacement project (City 33kV Cable Renewal).

Non-network CAPEX was favourable largely due to the deferred Earthquake strengthening project, and reduced IT capital projects.

7(iii) Operational Expenditure (OPEX)

In respect to network and non-network opex, the variance in spend from the AMP forecast is less than 5%, which is not considered material.

Information relating to revenues and quantities for the disclosure year

16. In the box below provide-
- 16.2 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
 - 16.3 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 13: Explanatory comment relating to revenue for the disclosure year

There is no material difference between the target revenue and total billed line charge revenue.

Network Reliability for the Disclosure Year (Schedule 10)

17. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

Box 14: Commentary on network reliability for the disclosure year

Network reliability was below regulatory limits.

Unison has derived the normalised SAIFI and normalised SAIDI values for each sub-network using the normalised assessment dataset for the network (constructed with boundary values calculated using the reference dataset for the network). The Normalised SAIFI/SAIDI for each event has then been multiplied by (total ICPs divided by sub-network ICPs) for each sub-network to yield the sub-network normalised values. This approach was chosen as the boundary values for the total network have been previously calculated.

Insurance cover

18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
- 18.2 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
 - 18.3 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 15: Explanation of insurance cover

Unison seeks to insure all its assets for material damage and business interruption (“MDBI”). “T&D cover” for poles, pole-mounted equipment, overhead lines and underground cables is provided by Unison’s captive insurer UIL to a limit of \$10 million, with a deductible of \$500,000. Total replacement cost value of assets covered was \$1.3 billion. There is no reinsurance for this policy, but at each renewal UIL does seek quotes for both insurance and reinsurance of the “T&D” assets. To date none has been forthcoming within New Zealand and the international insurance markets have only been prepared to offer very expensive tiered cover which would leave Unison to carry the first \$10 million of risk – an option which was deemed uneconomic.

Ground-mounted distribution equipment, including substation buildings and equipment and ground-mounted transformers and switches are also insured by UIL for MDBI under a separate policy. UIL’s MDBI policy covers \$360 million of network and non-network assets with a deductible of \$50,000 for each and every loss. This policy is fully reinsured with a deductible of \$1million each and every loss and \$2.5million in the aggregate.

Amendments to previously disclosed information

19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
 - 19.2 a description of each error; and
 - 19.3 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 16: Disclosure of amendment to previously disclosed information

Company Name	<u>Unison Networks Limited</u>
For Year Ended	<u>31 March 2015</u>

Schedule 15 Voluntary Explanatory Notes

1. This schedule enables EDBs to provide, should they wish to-
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
 - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
20. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Unison has prepared its disclosures on the basis of consolidating Unison Networks Limited and Unison Contracting Services Limited. In doing so, Unison took account of the guidance provided by the Commerce Commission when Unison prepared earlier responses to a section 53ZD Notice in October 2012.

In particular, Unison established the accounts on the basis of the following statement from the Commerce Commission:

“You have asked how Unison should treat labour costs obtained from a related party in the installation of a commissioned asset. As you noted, paragraph 2.2.11(5)(g) specifies how Unison may treat the direct costs of those services, but does not prescribe how Unison may treat the indirect costs (such as pay-roll, HR, health and safety, etc.).

The input methodologies are silent on the treatment of indirect costs to be allowed as part of related party transactions. We consider that it would be inappropriate to disallow the recovery of such indirect costs where they have been allocated consistent with the input methodologies and are no higher than the indirect costs avoided by Unison by purchasing the services from a related party. As they do not constitute asset costs under the group consolidation valuation option, then it is reasonable to treat them as operational expenditure.” Letter from Matthew Lewer, Commerce Commission to Nathan Strong, Unison.

Unison confirms that the cost allocation methodologies have been applied to the consolidated entity as required by the Cost Allocation Input Methodologies and that the indirect costs of Unison Contracting Services Limited are no higher than if Unison operated UCSL as an operating division of Unison.

Schedule 18

Certification for Year-end Disclosures

Clause 2.9.2

We, Paul Anthony Connell and Kevin Henry Atkinson, being directors of Unison Networks Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, and 14 has been properly extracted from the Unison Networks Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained; and

In respect of related party costs and revenues recorded in accordance with subclauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Electricity Distribution Services Input Methodologies Determination 2010), 2.3.6(2)(f) and 2.3.7(2)(b), we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs and revenues recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arm's-length.


Date: 28/8/15.


Date: 21/8/15.

Independent Auditor's Report

To the Directors of Unison Networks Limited and to the Commerce Commission

The Auditor-General is the auditor of Unison Networks Limited (the company). The Auditor-General has appointed me, Julian Tan, using the staff and resources of Audit New Zealand, to provide an opinion, on her behalf, on whether Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the SAIDI and SAIFI information disclosed in Schedule 10 and the explanatory notes in boxes 1 to 12 in Schedule 14 ('the Disclosure Information') for the disclosure year ended 31 March 2015, have been prepared, in all material respects, in accordance with the Electricity Distribution Disclosure Information Determination 2012 (the 'Determination').

Directors' responsibility for the Disclosure Information

The directors of the company are responsible for preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information that is free from material misstatement.

Auditor's responsibility for the Disclosure Information

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

Basis of opinion

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000: *Assurance engagements other than audits or reviews of historical financial information* and the Standard on Assurance Engagements 3100: *Compliance engagements* issued by the External Reporting Board.

These standards require that we comply with ethical requirements and plan and perform our audit to provide reasonable assurance (which is also referred to as 'audit' assurance) about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

An audit involves performing procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, the auditor considers internal control relevant to the company's preparation of the Disclosure Information in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

An audit also involves evaluating:

- the appropriateness of assumptions used and whether they have been consistently applied; and

- the reasonableness of the significant judgements made by the directors of the company.

Use of this report

This independent auditor's report has been prepared for the directors of the company and for the Commerce Commission for the purpose of providing those parties with independent audit assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Scope and inherent limitations

Because of the inherent limitations of an audit engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information nor do we guarantee complete accuracy of the Disclosure Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information.

The opinion expressed in this independent auditor's report has been formed on the above basis.

Independence

When carrying out the engagement we followed the independence requirements of the Auditor-General, which incorporate the independence requirements of the External Reporting Board. We also complied with the independent auditor requirements specified in the Determination.

The Auditor-General, and her employees, and Audit New Zealand and its employees may deal with the company on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of business, this engagement and the engagements described below, we have no relationship with or interests in the company:

- annual audit of the company's financial statements;
- an agreed upon procedures review for the company in connection with the Price ^{2014/2015} and Quantity ^{2013/14} disclosure schedule for the assessment period ending 31 March 2016;
- an assurance engagement in connection with the information request prepared by the company in accordance with the Commerce Commission's requirements issued by notice in writing to the company under section 53ZD of the Commerce Act 1986 on 13 August 2014;
- a limited assurance engagement for the company on the amendments to data to be used in the reset of the Commerce Commission's financial model for the Electricity Distribution Services Default Price-Quality Path Determination 2015;

- an assurance engagement for the company in respect of the Compliance Statement in connection with the default price-quality path prepared under the Electricity Distribution Services Default Price-Quality Path Determination 2012 NZCC 35 for the year ended 31 March 2015; and
- a limited assurance engagement in connection with the issuing of a report for the year ended 31 March 2015 for a subsidiary of the company as required by the Reserve Bank of New Zealand's solvency standard for captive insurers transacting non-life insurance business.

Opinion

In our opinion:

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;
- The information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records and has been sourced, where appropriate, from the company's financial and non-financial systems; and
- The company has complied with the Determination, in all material respects, in preparing the Disclosure Information.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.



Julian Tan
Audit New Zealand
On behalf of the Auditor-General
Palmerston North, New Zealand
28 August 2015