



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

Company Name	EA Networks
Disclosure Date	25 August 2021
Disclosure Year (year ended)	31 March 2021

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 21 December 2017

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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 21 December 2017). 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	EA Networks
For Year Ended	31 March 2021

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

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	20,674	648	71,752	4,169	21,660
Network	6,220	195	21,587	1,254	6,516
Non-network	14,454	453	50,165	2,914	15,143
Expenditure on assets	27,627	866	95,885	5,571	28,945
Network	25,900	812	89,891	5,222	27,135
Non-network	1,727	54	5,995	348	1,810

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	75,847	2,378
Standard consumer line charge revenue	75,847	2,378
Non-standard consumer line charge revenue	–	–

1(iii): Service intensity measures

Demand density	58	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	202	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	6	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	31,350	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	12,963	27.65%
Pass-through and recoverable costs excluding financial incentives and wash-ups	13,335	28.44%
Total depreciation	10,649	22.71%
Total revaluations	4,429	9.45%
Regulatory tax allowance	1,183	2.52%
Regulatory profit/(loss) including financial incentives and wash-ups	13,185	28.12%
Total regulatory income	46,886	

1(v): Reliability

Interruption rate	16.43	Interruptions per 100 circuit km
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Company Name **EA Networks**
For Year Ended **31 March 2021**

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

	CY-2 31 Mar 19 %	CY-1 31 Mar 20 %	Current Year CY 31 Mar 21 %
2(i): Return on Investment			
ROI – comparable to a post tax WACC			
Reflecting all revenue earned	5.53%	6.47%	4.40%
Excluding revenue earned from financial incentives	5.49%	6.57%	4.36%
Excluding revenue earned from financial incentives and wash-ups	5.53%	6.62%	4.36%
Mid-point estimate of post tax WACC	4.75%	4.27%	3.72%
25th percentile estimate	4.07%	3.59%	3.04%
75th percentile estimate	5.43%	4.95%	4.40%
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	6.04%	6.89%	4.73%
Excluding revenue earned from financial incentives	6.00%	7.00%	4.69%
Excluding revenue earned from financial incentives and wash-ups	6.04%	7.04%	4.69%
WACC rate used to set regulatory price path	7.19%	7.19%	4.57%
Mid-point estimate of vanilla WACC	5.26%	4.69%	4.05%
25th percentile estimate	4.58%	4.01%	3.37%
75th percentile estimate	5.94%	5.37%	4.73%
2(ii): Information Supporting the ROI			
			(\$000)
Total opening RAB value	292,650		
plus Opening deferred tax	(15,391)		
Opening RIV		277,259	
Line charge revenue		47,559	
Expenses cash outflow	26,298		
add Assets commissioned	15,501		
less Asset disposals	976		
add Tax payments	(195)		
less Other regulated income	(673)		
Mid-year net cash outflows		41,301	
Term credit spread differential allowance		–	
Total closing RAB value	300,961		
less Adjustment resulting from asset allocation	6		
less Lost and found assets adjustment	–		
plus Closing deferred tax	(16,769)		
Closing RIV		284,186	
ROI – comparable to a vanilla WACC			4.73%
Leverage (%)			42%
Cost of debt assumption (%)			2.82%
Corporate tax rate (%)			28%
ROI – comparable to a post tax WACC			4.40%

Company Name **EA Networks**
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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(iii): Information Supporting the Monthly ROI

Opening RIV N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						-
May						-
June						-
July						-
August						-
September						-
October						-
November						-
December						-
January						-
February						-
March						-
Total	-	-	-	-	-	-

Tax payments N/A

Term credit spread differential allowance N/A

Closing RIV N/A

Monthly ROI – comparable to a vanilla WACC N/A

Monthly ROI – comparable to a post tax WACC N/A

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

Year-end ROI – comparable to a vanilla WACC 4.57%

Year-end ROI – comparable to a post tax WACC 4.24%

** 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

Net recoverable costs allowed under incremental rolling incentive scheme	-
Purchased assets – avoided transmission charge	
Energy efficiency and demand incentive allowance	
Quality incentive adjustment	148
Other financial incentives	-
Financial incentives	148

Impact of financial incentives on ROI 0.04%

Input methodology claw-back	-
CPP application recoverable costs	-
Catastrophic event allowance	-
Capex wash-up adjustment	-
Transmission asset wash-up adjustment	-
2013–15 NPV wash-up allowance	-
Reconsideration event allowance	-
Other wash-ups	-
Wash-up costs	-

Impact of wash-up costs on ROI -

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

3(i): Regulatory Profit		(\$000)
7	Income	
8	Line charge revenue	47,559
9	<i>plus</i> Gains / (losses) on asset disposals	(860)
10	<i>plus</i> Other regulated income (other than gains / (losses) on asset disposals)	187
11		
12	Total regulatory income	46,886
13	Expenses	
14	<i>less</i> Operational expenditure	12,963
15	<i>less</i> Pass-through and recoverable costs excluding financial incentives and wash-ups	13,335
16		
17	Operating surplus / (deficit)	20,588
18	<i>less</i> Total depreciation	10,649
19	<i>plus</i> Total revaluations	4,429
20		
21	Regulatory profit / (loss) before tax	14,368
22	<i>less</i> Term credit spread differential allowance	-
23	<i>less</i> Regulatory tax allowance	1,183
24		
25	Regulatory profit/(loss) including financial incentives and wash-ups	13,185
26		
27		
28		
29		
30		
31		
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	199
36	Commerce Act levies	102
37	Industry levies	122
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	6,557
41	Transpower new investment contract charges	6,312
42	System operator services	
43	Distributed generation allowance	
44	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	43
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	13,335
47		

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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 20	31 Mar 21
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		-
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 16		
58	CY-4 31 Mar 17		
59	CY-3 31 Mar 18		
60	CY-2 31 Mar 19		
61	CY-1 31 Mar 20		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
66			(\$000)
67	Merger and acquisition expenditure		-
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 **EA Networks**
 For Year Ended **31 March 2021**

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 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)
	Total opening RAB value	237,258	251,141	259,359	268,447	292,650
less	Total depreciation	8,152	9,240	9,530	9,990	10,649
plus	Total revaluations	5,072	2,756	3,831	6,771	4,429
plus	Assets commissioned	19,679	14,921	16,376	29,987	15,501
less	Asset disposals	2,717	218	773	1,095	976
plus	Lost and found assets adjustment	-	-	-	-	-
plus	Adjustment resulting from asset allocation	0	(0)	(816)	(1,470)	6
	Total closing RAB value	251,141	259,359	268,447	292,650	300,961

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		294,953		292,650
less	Total depreciation		10,813		10,649
plus	Total revaluations		4,464		4,429
plus	Assets commissioned (other than below)	10,509		10,354	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party	5,146		5,146	
	Assets commissioned		15,655		15,501
less	Asset disposals (other than below)	976		976	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		976		976
plus	Lost and found assets adjustment				
plus	Adjustment resulting from asset allocation				6
	Total closing RAB value		303,283		300,961

* 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 **EA Networks**
 For Year Ended **31 March 2021**

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	1,068
CPI _{t-4}	1,052
Revaluation rate (%)	1.52%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	294,953		292,650	
less Opening value of fully depreciated, disposed and lost assets	1,428		1,428	
Total opening RAB value subject to revaluation	293,525		291,222	
Total revaluations		4,464		4,429

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		4,881		4,881
plus Capital expenditure	16,447		16,447	
less Assets commissioned	15,655		15,501	
plus Adjustment resulting from asset allocation			(154)	
Works under construction - current disclosure year		5,673		5,673
Highest rate of capitalised finance applied				—

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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 * (\$000)	RAB (\$000)
77 Depreciation - standard	9,187	9,187
78 Depreciation - no standard life assets	1,626	1,462
79 Depreciation - modified life assets		
80 Depreciation - alternative depreciation in accordance with CPP		
81 Total depreciation	10,813	10,649

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

(5000 unless otherwise specified)

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

* include additional rows if needed

96 **4(vii): Disclosure by Asset Category**

(5000 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
98 Total opening RAB value	13,351	3,506	26,112	49,942	76,229	62,822	35,688	1,962	23,038	292,650
99 less Total depreciation	472	80	1,026	1,894	1,846	2,143	1,581	145	1,462	10,649
100 plus Total revaluations	200	53	397	755	1,159	945	542	30	348	4,429
101 plus Assets commissioned	868	32	2,080	2,188	4,945	2,712	1,157	448	1,071	15,501
102 less Asset disposals	200	-	9	267	-	493	7	-	-	976
103 plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
104 plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	6	6
105 plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
106 Total closing RAB value	13,747	3,511	27,554	50,724	80,487	63,843	35,799	2,295	23,001	300,961

Asset Life

109 Weighted average remaining asset life	33.0	49.6	32.6	30.3	44.9	36.1	26.8	13.4	22.1	(years)
110 Weighted average expected total asset life	45.0	55.0	43.6	45.9	55.1	45.0	40.0	15.5	24.8	(years)

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		14,368
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	110	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	21	*
12	Amortisation of initial differences in asset values	2,103	
13	Amortisation of revaluations	1,124	
14			3,358
15			
16	<i>less</i> Total revaluations	4,429	
17	Income included in regulatory profit / (loss) before tax but not taxable	(860)	*
18	Discretionary discounts and customer rebates	6,443	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	252	*
20	Notional deductible interest	3,239	
21			13,503
22			
23	Regulatory taxable income		4,224
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		4,224
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,183

* 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	54,673	
37	<i>less</i> Amortisation of initial differences in asset values	2,103	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	422	
40	Closing unamortised initial differences in asset values		52,149
41			
42	Opening weighted average remaining useful life of relevant assets (years)		26
43			

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	264,878	
47			
48	Adjusted depreciation	9,524	
49	Total depreciation	10,649	
50	Amortisation of revaluations		1,124
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	(15,391)	
61			
62	plus Tax effect of adjusted depreciation	2,667	
63			
64	less Tax effect of tax depreciation	3,480	
65			
66	plus Tax effect of other temporary differences*	16	
67			
68	less Tax effect of amortisation of initial differences in asset values	589	
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	(9)	
73			
74	plus Deferred tax cost allocation adjustment	0	
75			
76	Closing deferred tax		(16,769)
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	154,417	
84	less Tax depreciation	12,430	
85	plus Regulatory tax asset value of assets commissioned	15,501	
86	less Regulatory tax asset value of asset disposals	368	
87	plus Lost and found assets adjustment		
88	plus Adjustment resulting from asset allocation	7	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		157,126

Company Name **EA Networks**
 For Year Ended **31 March 2021**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

	(\$000)	(\$000)
5b(i): Summary—Related Party Transactions		
Total regulatory income		-
Market value of asset disposals		-
Service interruptions and emergencies	463	
Vegetation management	324	
Routine and corrective maintenance and inspection	414	
Asset replacement and renewal (opex)	1,337	
Network opex		2,538
Business support	87	
System operations and network support	459	
Operational expenditure		3,084
Consumer connection	1,238	
System growth	1,356	
Asset replacement and renewal (capex)	2,966	
Asset relocations	4	
Quality of supply	544	
Legislative and regulatory	-	
Other reliability, safety and environment	274	
Expenditure on non-network assets		126
Expenditure on assets		6,508
Cost of financing		-
Value of capital contributions		-
Value of vested assets		-
Capital Expenditure		6,508
Total expenditure		9,592
Other related party transactions		199

5b(iii): Total Opex and Capex Related Party Transactions

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
Ashburton District Council	Business support	11
Ashburton District Council	System growth	1
Ashburton District Council	Expenditure on non-network assets	5
Ashburton Contracting Limited	Routine and corrective maintenance and inspection	1
Ashburton Contracting Limited	Consumer connection	5
Ashburton Contracting Limited	System growth	2
Ashburton Contracting Limited	Asset replacement and renewal (capex)	356
Ashburton Contracting Limited	Quality of supply	2
Cullimore Engineering Limited	System growth	4
Cullimore Engineering Limited	Other reliability, safety and environment	29
EA Networks - Field Services	Service interruptions and emergencies	463
EA Networks - Field Services	Vegetation management	324
EA Networks - Field Services	Routine and corrective maintenance and inspection	413
EA Networks - Field Services	Asset replacement and renewal (opex)	1,337
EA Networks - Field Services	Business support	76
EA Networks - Field Services	System operations and network support	459
EA Networks - Field Services	Consumer connection	1,233
EA Networks - Field Services	System growth	1,349
EA Networks - Field Services	Asset replacement and renewal (capex)	2,610
EA Networks - Field Services	Asset relocations	4
EA Networks - Field Services	Quality of supply	542
EA Networks - Field Services	Other reliability, safety and environment	245
EA Networks - Field Services	Expenditure on non-network assets	121
Total value of related party transactions		9,592

* include additional rows if needed

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

7
8
9

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	Debt issue cost readjustment
* include additional rows if needed						-	-	-

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

Gross term credit spread differential		-
Total book value of interest bearing debt		
Leverage	42%	
Average opening and closing RAB values		
Attribution Rate (%)		-
Term credit spread differential allowance		-

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		922			
12	Not directly attributable				-	
13	Total attributable to regulated service		922			
14	Vegetation management					
15	Directly attributable		724			
16	Not directly attributable				-	
17	Total attributable to regulated service		724			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		704			
20	Not directly attributable				-	
21	Total attributable to regulated service		704			
22	Asset replacement and renewal					
23	Directly attributable		1,550			
24	Not directly attributable				-	
25	Total attributable to regulated service		1,550			
26	System operations and network support					
27	Directly attributable		3,963			
28	Not directly attributable				-	
29	Total attributable to regulated service		3,963			
30	Business support					
31	Directly attributable		331			
32	Not directly attributable		4,769	696	5,465	
33	Total attributable to regulated service		5,100			
34						
35	Operating costs directly attributable		8,194			
36	Operating costs not directly attributable	-	4,769	696	5,465	-
37	Operational expenditure		12,963			
38						

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

39 **5d(ii): Other Cost Allocations**

Pass through and recoverable costs		(\$000)
Pass through costs		
41	Directly attributable	423
42	Not directly attributable	
43	Total attributable to regulated service	423
44	Recoverable costs	
45	Directly attributable	12,912
46	Not directly attributable	
47	Total attributable to regulated service	12,912
48		
49		

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

		(\$000)	
		CY-1	Current Year (CY)
51	Change in cost allocation 1		
52	Cost category		
53	Original allocator or line items		
54	New allocator or line items		
55			
56			
57	Rationale for change		
58			
59			

		(\$000)	
		CY-1	Current Year (CY)
60	Change in cost allocation 2		
61	Cost category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65			
66	Rationale for change		
67			
68			

		(\$000)	
		CY-1	Current Year (CY)
69	Change in cost allocation 3		
70	Cost category		
71	Original allocator or line items		
72	New allocator or line items		
73			
74			
75	Rationale for change		
76			
77			

78 * 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.
 79 † include additional rows if needed

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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

7 5e(i): Regulated Service Asset Values

		Value allocated (\$000s) Electricity distribution services
10	Subtransmission lines	
11	Directly attributable	13,747
12	Not directly attributable	
13	Total attributable to regulated service	13,747
14	Subtransmission cables	
15	Directly attributable	3,511
16	Not directly attributable	
17	Total attributable to regulated service	3,511
18	Zone substations	
19	Directly attributable	27,554
20	Not directly attributable	
21	Total attributable to regulated service	27,554
22	Distribution and LV lines	
23	Directly attributable	50,724
24	Not directly attributable	
25	Total attributable to regulated service	50,724
26	Distribution and LV cables	
27	Directly attributable	80,487
28	Not directly attributable	
29	Total attributable to regulated service	80,487
30	Distribution substations and transformers	
31	Directly attributable	63,843
32	Not directly attributable	
33	Total attributable to regulated service	63,843
34	Distribution switchgear	
35	Directly attributable	35,799
36	Not directly attributable	
37	Total attributable to regulated service	35,799
38	Other network assets	
39	Directly attributable	2,293
40	Not directly attributable	2
41	Total attributable to regulated service	2,295
42	Non-network assets	
43	Directly attributable	16,220
44	Not directly attributable	6,781
45	Total attributable to regulated service	23,001
47	Regulated service asset value directly attributable	294,178
48	Regulated service asset value not directly attributable	6,783
49	Total closing RAB value	300,961

51 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 **EA Networks**
 For Year Ended **31 March 2021**

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			3,287
9	System growth			4,057
10	Asset replacement and renewal			6,979
11	Asset relocations			249
12	Reliability, safety and environment:			
13	Quality of supply	793		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	875		
16	Total reliability, safety and environment			1,668
17	Expenditure on network assets			16,240
18	Expenditure on non-network assets			1,083
19				
20	Expenditure on assets			17,323
21	plus Cost of financing			
22	less Value of capital contributions			876
23	plus Value of vested assets			
24				
25	Capital expenditure			16,447
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			3,044
29	Research and development			
30	6a(iii): Consumer Connection			
31	Consumer types defined by EDB*		(\$000)	(\$000)
32	Industry/Large Connection		65	
33	New Subdivision		1,444	
34	Urban		329	
35	Tariff group change		138	
	Rural with transformer		653	
	Rural with out transformer		255	
36	Safety		403	
37	* include additional rows if needed			
38	Consumer connection expenditure			3,287
39				
40	less Capital contributions funding consumer connection expenditure	677		
41	Consumer connection less capital contributions			2,610
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and
44			(\$000)	(\$000)
45	Subtransmission	245	604	
46	Zone substations	1,936	49	
47	Distribution and LV lines	411	1,916	
48	Distribution and LV cables	536	3,318	
49	Distribution substations and transformers	625	612	
50	Distribution switchgear	74	442	
51	Other network assets	230	38	
52	System growth and asset replacement and renewal expenditure	4,057	6,979	
53	less Capital contributions funding system growth and asset replacement and renewal	151	2	
54	System growth and asset replacement and renewal less capital contributions	3,906	6,977	
55				
56	6a(v): Asset Relocations			
57	Project or programme*		(\$000)	(\$000)
58				
59				
60				
61				
62				
63	* include additional rows if needed			
64	All other projects or programmes - asset relocations	249		
65	Asset relocations expenditure			249
66	less Capital contributions funding asset relocations	46		
67	Asset relocations less capital contributions			203

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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	Rural Ring Main Units		296	
72	Network centres		483	
73				
74				
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		14	
78	Quality of supply expenditure			793
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			793
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83				
84				
85				
86				
87				
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	PDS Zone Substation - T1/T2 Firewall		84	
96	Earthing Upgrades		362	
97	UG Conversion - Hinds Hwy, Cracroft St to Coldstream Rd		418	
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		11	
102	Other reliability, safety and environment expenditure			875
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			875
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Routine Building Work		98	
110	IT		484	
111				
112				
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure			
116	Routine expenditure			582
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119	[2019-2020] DMR Repeater		127	
120	Non-Network Software Distribution Management Software		343	
121	Non-Network Aerial Photography		7	
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure		24	
126	Atypical expenditure			501
127				
128	Expenditure on non-network assets			1,083

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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	922	
9	Vegetation management	724	
10	Routine and corrective maintenance and inspection	704	
11	Asset replacement and renewal	1,550	
12	Network opex		3,900
13	System operations and network support	3,963	
14	Business support	5,100	
15	Non-network opex		9,063
16			
17	Operational expenditure		12,963
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		32
22	Insurance		193
23	<i>* Direct billing expenditure by suppliers that directly bill the majority of their consumers</i>		

Company Name **EA Networks**
For Year Ended **31 March 2021**

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

7(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
7	Line charge revenue	46,666	47,559	2%
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9	Consumer connection	3,552	3,287	(7%)
10	System growth	4,268	4,057	(5%)
11	Asset replacement and renewal	10,589	6,979	(34%)
12	Asset relocations		249	–
13	Reliability, safety and environment:			
14	Quality of supply	1,978	793	(60%)
15	Legislative and regulatory	–	–	–
16	Other reliability, safety and environment	782	875	12%
17	Total reliability, safety and environment	2,760	1,668	(40%)
18	Expenditure on network assets	21,169	16,240	(23%)
19	Expenditure on non-network assets	2,274	1,083	(52%)
20	Expenditure on assets	23,443	17,323	(26%)
21				
7(iii): Operational Expenditure				
22	Service interruptions and emergencies	1,100	922	(16%)
23	Vegetation management	590	724	23%
24	Routine and corrective maintenance and inspection	1,111	704	(37%)
25	Asset replacement and renewal	1,099	1,550	41%
26	Network opex	3,900	3,900	–
27	System operations and network support	3,814	3,963	4%
28	Business support	5,574	5,100	(9%)
29	Non-network opex	9,388	9,063	(3%)
30	Operational expenditure	13,288	12,963	(2%)
31				
7(iv): Subcomponents of Expenditure on Assets (where known)				
32	Energy efficiency and demand side management, reduction of energy losses	105	–	(100%)
33	Overhead to underground conversion	6,099	3,044	(50%)
34	Research and development		–	–
35				
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37	Energy efficiency and demand side management, reduction of energy losses		–	–
38	Direct billing		–	–
39	Research and development	250	32	(87%)
40	Insurance	174	193	11%
41				
42				

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
 EA Networks
 for year ended
 31 March 2021
 Network / Sub-Network Name

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedule. Information is also required on the number of ICs that are included in each consumer group or price category code, and the energy delivered to these ICs.

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg residential, commercial etc.)	Standard or non-standard consumer prices (source)	Average no. of ICs in disclosure year	Energy delivered to ICs in disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Billed quantities by price component																	Stretlighting	per fitting per day				
						General Supply	Uncontrolled Energy	Controlled DR Peak Energy	Night Boost 10	Night Rate	Under Vandalan	Floodlight	Export kWh	Generation Credit	Connected kW	Ingestion Managed Release	Industrial MTD	Industrial Peak MTD	Industrial Anytime MTD	Industrial Energy	Large User Fixed	Large User MTD			Large User Connected MTD	Large User Energy		
						per day	per kWh	per kWh	per kWh	per kWh	per day	per day	per kWh	per kWh	per kWh day	per kWh day	per kWh per month	per kWh per month	per kWh per month	per kWh	per month	per kVA per month	per kWh day	per kWh				
General Supply - 240 VAC	Standard	Standard	53,104	113,434	per day	14,114	13,724,987	28,279,142	84,480	8,861,304	1	1	200,000	1	2,600	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 240 VAC	Standard	Standard	13,171	13,105	per day	1,171	11,324,987	7,029,243	96,136	21,723	1	1	200,000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 100 kVA	Standard	Standard	199	19,810	per day	199	19,113,721	176,288	1,235	147,293	1	1	16,439	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 220 VAC	Standard	Standard	884	48,474	per day	884	48,124,123	201,201	2,434	20,420	1	1	28,139	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 240 VAC 3 kVA	Standard	Standard	41	10	per day	41	10,124,123	101,201	2,434	20,420	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 240 VAC	Standard	Standard	1,000	100,123	per day	1,000	10,124,123	101,201	2,434	20,420	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 240 VAC	Standard	Standard	46	1,010	per day	46	1,010,123	101,201	2,434	20,420	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - 240 VAC	Standard	Standard	36	15,210	per day	36	15,210,123	152,210	15,210	15,210	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	1,000	per day	1	1,000,123	1,000	1,000	1,000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	2,100	per day	1	2,100,123	2,100	2,100	2,100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	18,000	per day	1	18,000,123	18,000	18,000	18,000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	1,000	per day	1	1,000,123	1,000	1,000	1,000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	2,200	per day	1	2,200,123	2,200	2,200	2,200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	4,000	per day	1	4,000,123	4,000	4,000	4,000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	1	per day	1	1,123	1,123	1,123	1,123	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	1	per day	1	1,123	1,123	1,123	1,123	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	1	per day	1	1,123	1,123	1,123	1,123	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
General Supply - Peak Demand	Standard	Standard	1	1,000	per day	1	1,000,123	1,000	1,000	1,000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Add extra rows for additional consumer groups or price category codes as necessary																												
Standard consumer totals						20,201	427,113,673	31,865,236	775,815	4,483,414	11	5	393,909	139,188	143,416	62	11,898	2,424	2,636	66,059,214	7	7,672	9,400	179,959,113			3,680	
Non-standard consumer totals																												
Total for all consumers						20,201	427,113,673	31,865,236	775,815	4,483,414	11	5	393,909	139,188	143,416	62	11,898	2,424	2,636	66,059,214	7	7,672	9,400	179,959,113			3,680	

Add extra columns for additional billed quantities by price component as necessary

Company Name: **EA Networks**
 For Year Ended: **31 March 2021**
 Network / Sub-Network Name: _____

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDR in its pricing schedule. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(ii): Line Charge Revenues (\$000) by Price Component

Line charge revenues (\$000) by price component

Consumer group name or price category code	Consumer type or type (eg residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Non-billable revenue foregone from quoted discounts (if applicable)	Total distribution line charge revenue (if available)	Rate (eg, 5 per day, 5 per kWh, etc.)	Price component																	Add extra columns for additional line charge revenues by price component as necessary				
							General Supply	Unmetered Energy	Controlled DR Peak Energy	Night Boost 10	Night Rate	Under Vandalan	Floodlight	Export kWh	Generation Credit	Connected kW	Integration Managed Hubbs	Industrial MD	Industrial Peak MD	Industrial Average MD	Industrial Energy	Large User Fixed	Large User MD		Large User Connected kW	Large User Energy	Discount	Streetlighting
							per day	per kWh	per kWh	per kWh	per kWh	per day	per day	per kWh	per kWh	per kWh day	per kW day	per kWh per month	per kWh per month	per kWh per month	per kWh	per month	per kWh per month	per kW day	per kWh	per fitting per day		
General Supply - 25 kVA	General	Standard	\$5,004		\$7,252	\$1.676	\$0.00	\$7,861	\$431	\$11		\$1	\$0															
General Supply - 50 kVA	General	Standard	\$2,894		\$3,314	\$4.76	\$3.77	\$7,481	\$43	\$2		\$0																
General Supply - 100 kVA	General	Standard	\$6,117		\$3,206	\$7.000	\$3.05	\$1,066	\$0	\$0		\$0	\$0															
General Supply - 150 kVA	General	Standard	\$4,003		\$3,465	\$8.00	\$3.49	\$1,005	\$1	\$0																		
General Supply - 250 kVA	General	Standard	\$8		\$8		\$8																					
General Supply - 500 kVA	General	Standard	\$21,907		\$13,855	\$8.014																						
Industrial Maximum Priority	Industrial	Standard	\$1,700		\$180	\$5.0											\$170											
Industrial MD (Specialty - 50k)	Industrial	Standard	\$1,188		\$1,200	\$6.00																						
Industrial Specialty - Day Demand	Industrial	Standard	\$114		\$78	\$1.6																						
Specialty - Peak Demand	Industrial	Standard	\$885		\$265	\$100																						
Other	Other	Standard	\$10		\$20	\$2.0																						
Other Data Points	Other User	Standard	\$62		\$40	\$1.1																						
Highway 600	Other User	Standard	\$186		\$162	\$1.0																						
Highway 600	Other User	Standard	\$219		\$171	\$1.0																						
Highway 600	Other User	Standard	\$147		\$147																							
Highway 600	Other User	Standard	\$36		\$36																							
Highway 600	Other User	Standard	\$25		\$25																							
Highway 600	Other User	Standard	\$1		\$1																							
Other Specialty	Other Specialty	Standard	\$202		\$202	\$1.0																						
Add extra rows for additional consumer groups or price category codes if necessary																												
Standard consumer totals			\$47,500		\$13,781	\$13,772																					\$262	
Non-standard consumer totals																												
Total for all consumers			\$47,500		\$13,781	\$13,772																					\$262	

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end:

Check:

Company Name	EA Networks
For Year Ended	31 March 2021
Network / Sub-network Name	

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

					Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	Voltage	Asset category	Asset class	Units				
9	All	Overhead Line	Concrete poles / steel structure	No.	2,358	2,336	(22)	4
10	All	Overhead Line	Wood poles	No.	25,970	26,310	340	4
11	All	Overhead Line	Other pole types	No.	-	-	-	[Select one]
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	388	390	1	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	[Select one]
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	8	8	0	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	[Select one]
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	[Select one]
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	[Select one]
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	[Select one]
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	[Select one]
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	[Select one]
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	[Select one]
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	[Select one]
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	20	20	-	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	[Select one]
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	[Select one]
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	70	75	5	3
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	208	37	(171)	4
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	165	165	-	3
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	[Select one]
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	[Select one]
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	28	21	(7)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	208	189	(19)	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	3	2	(1)	3
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	40	35	(5)	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,933	1,939	6	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	[Select one]
37	HV	Distribution Line	SWER conductor	km	-	-	-	[Select one]
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	281	300	20	3
39	HV	Distribution Cable	Distribution UG PILC	km	5	5	(0)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	[Select one]
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	27	21	(6)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	[Select one]
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	7,879	7,793	(86)	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	[Select one]
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	494	507	13	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1,245	1,147	(98)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,143	6,093	(50)	3
48	HV	Distribution Transformer	Voltage regulators	No.	2	1	(1)	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	545	540	(5)	3
50	LV	LV Line	LV OH Conductor	km	68	61	(7)	3
51	LV	LV Cable	LV UG Cable	km	391	408	17	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	306	319	13	3
53	LV	Connections	OH/UG consumer service connections	No.	19,927	20,382	455	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	257	812	555	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	3
56	All	Capacitor Banks	Capacitors including controls	No	-	-	-	[Select one]
57	All	Load Control	Centralised plant	Lot	3	2	(1)	4
58	All	Load Control	Relays	No	400	400	-	1
59	All	Civils	Cable Tunnels	km	-	-	-	[Select one]

Company Name: EA Networks
For Year Ended: 31 March 2021
Network / Sub-network Name:

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), 31 March 2021, Asset category, Asset class, Units, and years from 1940 to 2025, plus columns for No. with age unknown, Items at end of year, No. with default dates, and Data accuracy (1-4).

Company Name	EA Networks
For Year Ended	31 March 2021
Network / Sub-network Name	

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	325	4	329
13	33kV	65	4	69
14	SWER (all SWER voltages)	–	–	–
15	22kV (other than SWER)	1,505	139	1,644
16	6.6kV to 11kV (inclusive—other than SWER)	433	166	599
17	Low voltage (< 1kV)	61	408	469
18	Total circuit length (for supply)	2,389	721	3,110
19				
20	Dedicated street lighting circuit length (km)	18	301	18
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			–
22				
23	Overhead circuit length by terrain (at year end)	(% of total)		
24	Urban	Circuit length (km)	overhead length	
25	Rural	70		3%
26	Remote only	2,262		95%
27	Rugged only	57		2%
28	Remote and rugged	–		–
29	Unallocated overhead lines	–		–
30	Total overhead length	2,389		100%
31				
32		(% of total circuit length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	Circuit length (km)		
		462		15%
34		(% of total)		
35	Overhead circuit requiring vegetation management	Circuit length (km)	overhead length	
		2,389		100%

Company Name **EA Networks**
 For Year Ended **31 March 2021**

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	Upper Rakaia on Orion network	13	13
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	* 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	EA Networks
For Year Ended	31 March 2021
Network / Sub-network Name	

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

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10			
11	Consumer types defined by EDB*		Number of connections (ICPs)
12	General		299
13	Irrigation		12
14			
15			
16	* include additional rows if needed		
17	Connections total		311
18			
19	Distributed generation		
20	Number of connections made in year	30	connections
21	Capacity of distributed generation installed in year	0.41	MVA
22	9e(ii): System Demand		
23			
24			Demand at time of maximum coincident demand (MW)
25	Maximum coincident system demand		
26	GXP demand	180	
27	plus Distributed generation output at HV and above	1	
28	Maximum coincident system demand	181	
29	less Net transfers to (from) other EDBs at HV and above	(0)	
30	Demand on system for supply to consumers' connection points	181	
31	Electricity volumes carried		Energy (GWh)
32	Electricity supplied from GXPs	524	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	136	
35	less Net electricity supplied to (from) other EDBs	0	
36	Electricity entering system for supply to consumers' connection points	659	
37	less Total energy delivered to ICPs	627	
38	Electricity losses (loss ratio)	32	4.9%
39			
40	Load factor	0.42	
41	9e(iii): Transformer Capacity		
42			(MVA)
43	Distribution transformer capacity (EDB owned)	598	
44	Distribution transformer capacity (Non-EDB owned, estimated)	14	
45	Total distribution transformer capacity	612	
46			
47	Zone substation transformer capacity	380	

Company Name	EA Networks
For Year Ended	31 March 2021
Network / Sub-network Name	

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)	229	
12	Class C (unplanned interruptions on the network)	282	
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)	-	
19	Total	511	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	212	70
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.32	100.12
27	Class C (unplanned interruptions on the network)	1.14	75.07
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)	-	-
34	Total	1.46	175.19
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.316	175.211
38			

Company Name	EA Networks
For Year Ended	31 March 2021
Network / Sub-network Name	

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.

39 10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
42 Lightning	0.02	1.31
43 Vegetation	0.13	9.23
44 Adverse weather	0.01	0.82
45 Adverse environment	0.01	0.32
46 Third party interference	0.06	4.92
47 Wildlife	0.05	3.17
48 Human error	0.39	5.88
49 Defective equipment	0.32	22.60
50 Cause unknown	0.15	26.82

52 10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
55 Subtransmission lines	0.05	21.18
56 Subtransmission cables	–	–
57 Subtransmission other	–	–
58 Distribution lines (excluding LV)	0.26	75.59
59 Distribution cables (excluding LV)	0.01	3.36
60 Distribution other (excluding LV)	–	–

61 10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
64 Subtransmission lines	0.37	10.08
65 Subtransmission cables	–	–
66 Subtransmission other	–	–
67 Distribution lines (excluding LV)	0.71	60.00
68 Distribution cables (excluding LV)	0.01	1.19
69 Distribution other (excluding LV)	0.05	3.80

70 10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
72 Subtransmission lines	21	390	5.39
73 Subtransmission cables	–	8	–
74 Subtransmission other	–	–	–
75 Distribution lines (excluding LV)	268	1,939	13.82
76 Distribution cables (excluding LV)	9	305	2.95
77 Distribution other (excluding LV)	7	–	–
78 Total	305		