



eir KPI Report Jul - Sep 2021

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In September 2010 ComReg issued a consultation document on the Introduction of Key Performance Indicators for Regulated Markets. This consultation proposed the introduction of KPIs in four regulated markets:

- Retail Narrowband Access
- Wholesale Broadband Access
- Wholesale Physical Network Infrastructure Access, and
- Terminating Segments of Wholesale Leased Lines

Services are made available by alternative providers in all of these markets and many are based on wholesale elements supplied by eir.

In June 2011 ComReg issued Response to Consultation and Decision Notice (D05/11) directing eir to publish all of the proposed KPIs in a single place to enable explicit comparisons to be made between Wholesale outputs and the equivalent inputs provided to eir Retail.

This transparency provides an assurance to consumers that the products and related services used by both eir retail and open eir customers are of the same standard, and that no discrimination in respect of **eir's** wholesale services occurs.

Products included in the KPI metrics -

Retail Narrowband Access Market –

(i) SB-WLR (ii) WLA and (iii) eir's Retail PSTN & ISDN BRA products

Wholesale Bitstream Access Market – Current Generation

(i) Wholesale Bitstream Services and (ii) eir Retail Broadband Services

Wholesale Physical Network Infrastructure Access Market –

(i) Line Share and (ii) eir Retail Broadband Service

(iii) ULMP / GLUMP Services and (iv) eir Retail PSTN&ISDN Service and

Wholesale Terminating Segment of Wholesale Leased Lines Market –

(i) Wholesale provided traditional Leased Lines / PPC EULs, and (ii) eir Retail provided traditional Leased Lines and

(iii) Wholesale provided NGN Ethernet Leased Lines / WSEA and (iv) eir Retail provided NGN Ethernet Leased Lines

Wholesale Bitstream Access Market – Next Generation

(i) NGA FTTC POTs Based Services (ii) NGA FTTC Standalone and (iii) NGA FTTH

Summary of KPI metrics -

The KPI metrics for each Market are split between Supply and Repair of Service

Metrics associated with Supply of Services

% connections in x working days

Average connection time

Quality of supply (included for narrowband and broadband markets)

Metrics associated with Repair of Services

% repairs in x working days

Average repair time

Quality of repair (included for narrowband and broadband markets)

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Retail Narrowband Access KPIs

Table 1



Table 1 : Narrowband Access KPIs

In-Situ /EE Connection

This refers to all Electronically Enabled lines or Electronic Transfer of lines to/from SB-WLR/WLA/Retail PSTN & ISDN BRA

Order Types Included: LNI (New Line In-Situ), MI (Move In-Situ), PW (Provide SB-WLR)

Other Connection

This refers to all new line connections in SB-WLR/WLA/Retail PSTN&ISDN BRA

Order Types Included: LNN (New Line Non In-Situ), MN (Move Non In-Situ)

Table 1 : Narrowband Access KPIs

	Jul-21			Aug-21			Sep-21		
	Retail	SB-WLR	WLA	Retail	SB-WLR	WLA	Retail	SB-WLR	WLA
Metrics associated with Supply of Service									
1.1 In-Situ/EE Connection in 2WD	98.42%	96.49%	91.13%	97.97%	95.61%	95.25%	99.36%	96.80%	98.10%
1.2 Average In-Situ/EE Connection Time (WDs)	1.039	0.564	1.427	1.064	0.757	1.236	1.004	0.583	1.060
1.3 Quality of In-Situ/EE Supply	97.46%	97.04%	97.71%	97.97%	95.78%	97.67%	97.44%	98.00%	97.63%
1.4 Average In-Situ/EE Connection W/Port Time (WDs)	1.000	0.647	-	1.000	1.286	1.200	0.000	0.722	1.400
1.5 Quality of In-Situ/EE W/Port Supply	100.00%	94.12%	-	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
1.6 Other Connections in 10WD	93.90%	100.00%	100.00%	94.29%	100.00%	62.50%	90.70%	100.00%	81.82%
1.7 Average Other Connections Supply Time (WDs)	5.378	3.111	6.750	5.143	3.500	55.188	5.267	4.000	6.545
1.8 Quality of Other Connections Supply	100.00%	77.78%	100.00%	100.00%	100.00%	93.75%	97.67%	100.00%	100.00%
1.9 Other Connections Appointment based	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Metrics associated with Repair of Service									
1.10 Fault Repair in 2WD	76.84%	79.48%	75.42%	76.07%	76.48%	76.30%	77.79%	77.98%	77.16%
1.11 Fault Repair in 5WD	95.02%	95.54%	95.84%	94.32%	94.74%	94.09%	94.36%	94.66%	94.23%
1.12 Fault Repair in 10WD	98.50%	98.44%	98.48%	98.73%	98.45%	98.65%	98.57%	98.22%	98.75%
1.13 Average Fault Repair Time (WDs)	2.027	1.941	1.985	1.957	1.943	1.948	1.923	2.000	1.949
1.14 Fault Incidence	0.917	0.694	1.002	0.956	0.777	1.064	0.984	0.805	1.071
1.15 Quality of Repair	92.74%	93.81%	93.04%	91.63%	92.13%	92.50%	92.15%	93.76%	92.11%

Table 1 : Narrowband Access KPIs

Table 1 : Narrowband Access KPIs

Comment on Table 1

In-Situ/EE Connections

The PW transfer order has an inbuilt delay where the line configuration is done at 4am. Therefore if an order is received at 9am it will validate and do all the necessary steps, usually within minutes, but then the system waits until 4am before configuring the line. As a result PW orders will not be delivered on the same day as the order is received.

02

Wholesale Broadband Access KPIs

Table 2

Table 2 : Broadband Access KPIs

Transfer Connection

This refers to all Electronic Transfer of Broadband services to/from wholesale customers / Retail customers (excludes transfers with jumpering)

Order Types Included: XB (Transfer Bitstream)

Other Connections

This refers to all new Broadband connections

Order Types Included: PB (Provide Bitstream)

Table 2: Broadband Access KPIs

	Jul-21		Aug-21		Sep-21	
	Retail Broadband	Wholesale Bitstream	Retail Broadband	Wholesale Bitstream	Retail Broadband	Wholesale Bitstream
Metrics associated with Supply of Service						
2.1 Transfer Connection in 2WD	99.62%	100.00%	100.00%	100.00%	100.00%	100.00%
2.2 Average Transfer Connection Time (WDs)	0.099	0.021	0.035	0.004	0.053	0.031
2.3 Quality of Transfer Supply	100.00%	98.96%	100.00%	100.00%	100.00%	98.77%
2.4 Other Connections in 5WD	98.71%	100.00%	94.04%	97.70%	99.21%	98.04%
2.5 Average Other Connections Supply Time (WDs)	1.85	0.81	1.70	1.74	1.53	1.23
2.6 Quality of Other Connections Supply	97.85%	98.86%	96.03%	97.70%	97.64%	97.06%
Metrics associated with Repair of Service						
2.7 Fault Repair in 2WD	88.78%	96.30%	85.58%	78.57%	86.42%	74.51%
2.8 Fault Repair in 5WD	98.98%	100.00%	97.12%	100.00%	97.53%	98.04%
2.9 Fault Repair in 10WD	100.00%	100.00%	100.00%	100.00%	98.77%	100.00%
2.10 Average Fault Repair Time (WDs)	1.353	1.293	1.477	1.407	1.433	1.470
2.11 Quality of Repair	95.92%	100.00%	96.15%	95.24%	97.53%	100.00%

Table 2: Broadband Access KPIs

Table 2 : Broadband Access KPIs

Comment on Table 2

03

Wholesale Physical Network Infrastructure Access (Line Share) KPIs

Table 3

Table 3 : Wholesale Physical Network Infrastructure^{open} Access (Line Share) KPIs



All Connection

This refers to all new Line Share connections and Retail Broadband connections that require jumpering
Order Types Included: PLS (Provide Line Share)

Table 3: Wholesale Physical Network Infrastructure Access (Line Share) KPIs



	Jul-21		Aug-21		Sep-21	
	Retail Broadband	Wholesale Line Share	Retail Broadband	Wholesale Line Share	Retail Broadband	Wholesale Line Share
Metrics associated with Supply of Service						
3.1 Connections in 5WD	98.73%	90.16%	88.75%	96.88%	98.63%	97.56%
3.2 Average Supply Time (WDs)	2.551	2.672	3.063	2.406	2.658	2.098
3.3 Quality of Supply	97.47%	93.44%	96.25%	84.38%	97.26%	90.24%
Metrics associated with Repair of Service						
3.4 Fault Repair in 2WD	88.54%	81.82%	84.12%	73.33%	82.39%	66.67%
3.5 Fault Repair in 5WD	97.45%	100.00%	94.71%	93.33%	96.59%	100.00%
3.6 Fault Repair in 10WD	98.73%	100.00%	98.82%	100.00%	97.73%	100.00%
3.7 Average Fault Repair Time (WDs)	1.380	1.250	1.589	1.698	1.577	1.809
3.8 Quality of Repair	98.09%	90.91%	98.82%	100.00%	98.86%	91.67%

Table 3: Wholesale Physical Network Infrastructure Access (Line Share) KPIs

Table 3 : Wholesale Physical Network Infrastructure Access (Line Share) KPIs



Comment on Table 3

04

Wholesale Physical Network Infrastructure Access (ULMP) KPIs

Table 4



Table 4 : Wholesale Physical Network Infrastructure Access (ULMP) KPIs



In-Situ Transfer Connection

This refers to all new ULMP connections from other ULMP/SB-WLR/WLA/eir Retail operators and eir Retail connections from ULMP operators

Order Types Included: PUI (Provide ULMP on In-Situ Line), PU (Provide ULMP on active line), PUG (Provide ULMP with GNP on active line)

Connections

This refers to all new line connections and eircom Retail new line connections

Order Types Included: PUS (Provide ULMP on a Spare Path / new Non-Insitu Line)

Other Connection Appointment based

This refers to all new line connections

Order Types Included: PUN (Provide ULMP new)

Table 4: Wholesale Physical Network Infrastructure Access (ULMP) KPIs



	Jul-21		Aug-21		Sep-21	
	Retail	Wholesale ULMP	Retail	Wholesale ULMP	Retail	Wholesale ULMP
Metrics associated with Supply of Service						
4.1 In-Situ Transfer Connections in 5WD	N/A	N/A	N/A	N/A	N/A	N/A
4.2 Average In-Situ Transfer Connection Supply Time (WDs)	N/A	N/A	N/A	N/A	N/A	N/A
4.3 Quality of In-Situ Transfer Supply	N/A	N/A	N/A	N/A	N/A	N/A
4.4 Connections in 10WD	N/A	N/A	N/A	100.00%	N/A	N/A
4.5 Average Supply Time (WDs)	N/A	N/A	N/A	4.000	N/A	N/A
4.6 Quality of Supply	N/A	N/A	N/A	N/A	N/A	N/A
4.7 Other Connections Appointment based	100.00%	N/A	100.00%	N/A	100.00%	N/A
Metrics associated with Repair of Service						
4.8 Fault Repair in 2WD	74.06%	100.00%	72.27%	100.00%	74.78%	N/A
4.9 Fault Repair in 5WD	94.80%	100.00%	92.32%	100.00%	93.35%	N/A
4.10 Fault Repair in 10WD	98.38%	100.00%	97.95%	100.00%	97.97%	N/A
4.11 Average Fault Repair Time (WDs)	2.006	1.665	2.207	0.949	2.072	N/A
4.12 Quality of Repair	93.86%	100.00%	93.09%	100.00%	94.00%	N/A
4.13 Fault Incidence	0.199	0.062	0.200	0.126	0.212	0.000

Table 4: Wholesale Physical Network Infrastructure Access (ULMP) KPIs

Table 4 : Wholesale Physical Network Infrastructure Access (ULMP) KPIs



Comment on Table 4

05

Table 5: Supply of Zone B MI HQA/WHQA Access Services KPIs

Table 5

Table 5: Supply of Zone B MI HQA/WHQA Access Services KPIs



- The provisioning is split between Standard (STD), Project (PRJ) and Non-Standard (NSTD) Orders.
- Data orders are validated as Standard or Non-Standard.
- Standard: A circuit which is ordered and all components are available to eir to provide the circuit in the Standard lead times are validated as Standard.
- Non Standard: A circuit which is ordered and there are impediments to eir delivering the order. Orders that are validated as Non Standard are given a forecasted delivery date.
- Some Non Standard orders are designated as Project when eir assigns a project manager to implement them. Project orders include where a customer orders a number of circuits to the same premises or wishes them to be delivered over a set period of time. These orders are assigned a project manager and deemed to be a project. A Due Delivery Date is agreed between the customer and eir for delivery of the orders.

Note: The wholesale data recorded was taken from the underlying OSS Systems.

Table 5: Supply of Zone B MI HQA/WHQA Access Services KPIs



Retail					Wholesale				
<i>Metrics associated with Supply of Services – Zone B MI HQA Access Services (MSA, WDM Access) (WD = Working Days)</i>	<i>STD</i>	<i>PROJ</i>	<i>NSTD</i>	<i>TOTAL</i>	<i>Metrics associated with Supply of Services – Zone B MI WHQA Access Services (WSEA, WDM Access) (WD = Working Days)</i>	<i>STD</i>	<i>PROJ</i>	<i>NSTD</i>	<i>TOTAL</i>
100% of Orders Average Supply Time	<i>WDs</i> 30	<i>WDs</i> -	<i>WDs</i> 55	<i>WDs</i> 39	100% of Orders Average Supply Time	<i>WDs</i> 21	<i>WDs</i> 55	<i>WDs</i> 63	<i>WDs</i> 36
97.5% of Orders Average Supply Time	<i>WDs</i> 28	<i>WDs</i> -	<i>WDs</i> 50	<i>WDs</i> 37	97.5% of Orders	<i>WDs</i> 20	<i>WDs</i> 41	<i>WDs</i> 61	<i>WDs</i> 33

Table 5: Supply of Zone B MI HQA/WHQA Access Services KPIs



- Comment on Table 5

06

Order Designation of Zone B MI HQA/WHQA Access Services KPIs

Table 6

Table 6: Order Designation of Zone B MI HQA/WHQA Access Services KPIs



- The provisioning is split between Standard (STD), Project (PRJ) and Non-Standard (NSTD) Orders.
- Data orders are validated as Standard or Non-Standard.
- Standard: A circuit which is ordered and all components are available to eir to provide the circuit in the Standard lead times are validated as Standard.
- Non Standard: A circuit which is ordered and there are impediments to eir delivering the order. Orders that are validated as Non Standard are given a forecasted delivery date.
- Some Non Standard orders are designated as Project when eir assigns a project manager to implement them. Project orders include where a customer orders a number of circuits to the same premises or wishes them to be delivered over a set period of time. These orders are assigned a project manager and deemed to be a project. A Due Delivery Date is agreed between the customer and eir for delivery of the orders.

Note: The wholesale data recorded was taken from the underlying OSS Systems.

Table 6: Order Designation of Zone B MI HQA/WHQA Access Services KPIs



Retail				Wholesale			
Metrics associated with Order Designation	STD	PROJ	NSTD	Metrics associated with Order Designation	STD	PROJ	NSTD
Zone B MI HQA Access Services (MSA, WDM Access)	64%	0%	36%	Zone B MI WHQA Access Services (WSEA, WDM Access)	62%	8%	30%

Table 6: Order Designation of Zone B MI HQA/WHQA Access Services KPIs



- Comment on Table 6

07

Repair of HQA/WHQA Services

Table 7



Table 7: Repair of HQA/WHQA Services

	Retail				Wholesale			
Ref.	Metrics associated with Fault Repair (WHs = Working Hours)	<8 WHs	<24 WHs	>24 WHs	Metrics associated with Fault Repair	<8 WHs	<24 WHs	>24 WHs
7.1	Low Bandwidth ($\leq 2\text{Mb/s}$) TDM Leased Lines	86%	14%	0%	Low Bandwidth ($\leq 2\text{Mb/s}$) PPC Lines	100%	0%	0%

	Retail				Wholesale			
Ref.	Metrics associated with Fault Repair (WHs = Working Hours)	<8 WHs	<24 WHs	>24 WHs	Metrics associated with Fault Repair	<8 WHs	<24 WHs	>24 WHs
7.2	Zone B MI HQA Access Services (MSA, WDM Access)	100%	0%	0%	Zone B MI WHQA Access Services (WSEA, WDM Access)	100%	0%	0%
7.3(i)	N/A				Zone A MI WHQA Interconnection Services (WEIL, WDM Interconnect)	-	-	-
7.3(ii)	Zone B MI HQA Services (MSA, WDM Access)	100%	0%	0%	Zone B MI WHQA Interconnection Services (WEIL, WDM Interconnect)	-	-	-

Table 7: Repair of HQA/WHQA Services



Comment on Table 7

08

Supply of Retail MI HQA Services versus MI WHQA Interconnection Services KPIs

Table 8



Table 8: Supply of Retail MI HQA Services versus MI WHQA Interconnection Services KPIs



Retail						Wholesale				
	Metrics associated with Supply of MI HQA Services (WD= Work Days)	STD	PROJ	NSTD	TOTAL	Metrics associated with Supply of Interconnection Services (WD= Work Days)	STD	PROJ	NSTD	TOTAL
	N/A	WDs	WDs	WDs	WDs	Zone A MI WHQA Interconnection Services (WEIL, WDM Interconnect) 100% of Orders Average Supply Time	WDs 24	WDs 58	WDs 26	WDs 31
	N/A	WDs	WDs	WDs	WDs	Zone A MI WHQA Interconnection Services (WEIL, WDM Interconnect) 97.5% of Orders Average Supply Time	WDs 20	WDs 38	WDs 20	WDs 26
	Zone B MI HQA Services (MSA Services, WDM Interconnect) 100% of Orders Average Supply Time	WDs 30	WDs -	WDs 55	WDs 39	Zone B MI WHQA Interconnection Services (WEIL, WDM Interconnect) 100% of Orders Average Supply Time	WDs 29	WDs 26	WDs 21	WDs 25
	Zone B MI HQA Services (MSA Services, WDM Interconnect) 97.5% of Orders Average Supply Time	WDs 28	WDs -	WDs 50	WDs 37	Zone B MI WHQA Interconnection Services (WEIL, WDM Interconnect) 97.5% of Orders Average Supply Time	WDs -	WDs 21	WDs -	WDs 24

Table 8: Supply of Retail MI HQA Services versus^{open} MI WHQA Interconnection Services KPIs



Comment on Table 8

09

Order Designation of Retail MI HQA Services versus MI WHQA Interconnection Services KPIs

Table 9

Table 9: Order Designation of Retail MI HQA Services versus MI WHQA Interconnection Services KPIs



Retail				Wholesale			
Metrics associated with Order Designation	STD	PROJ	NSTD	Metrics associated with Order Designation	STD	PROJ	NSTD
N/A				Zone A MI WHQA Interconnection Services (WEIL, WDM Interconnect)	55%	18%	27%
Zone B MI HQA Services (MSA Services, WDM Interconnect)	64%	0%	36%	Zone B MI WHQA Interconnection Services (WEIL, WDM Interconnect)	25%	50%	25%

Table 9: Order Designation of Retail MI HQA Services versus MI WHQA Interconnection Services KPIs



Comment on Table 9

10

Wholesale Broadband Access KPIs

Table 10

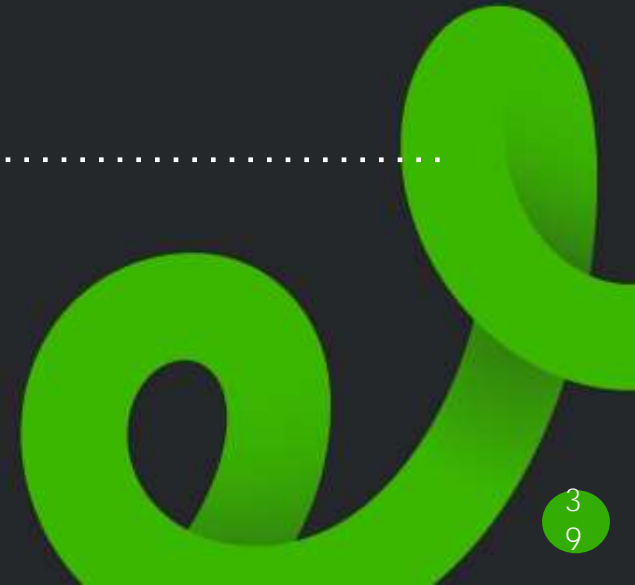


Table 10 : NGA FTTC POTs Based Broadband Access KPIs



- Connections

This refers to all new provides of NGA FTTC POTs Based Broadband services to/from wholesale customers / Retail customers

Order Types Included: PPN, PPW

Table 10: NGA FTTC POTs Based Broadband Access KPIs



FTTC - PB	Jul-21			Aug-21			Sep-21		
Metrics associated with Supply of Service	Retail	Operators	WLA	Retail	Operators	WLA	Retail	Operators	WLA
10.1 Appointments met by open eir	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
10.2 Quality of Supply	98.93%	98.77%	99.10%	98.67%	98.70%	97.66%	99.82%	98.71%	99.22%
Metrics associated with Repair of Service									
10.3 Fault Repair in 2WD	78.43%	81.78%	N/A	78.27%	78.40%	N/A	78.68%	80.47%	N/A
10.4 Fault Repair in 5WD	97.98%	99.53%	N/A	96.67%	95.31%	N/A	96.71%	97.67%	N/A
10.5 Fault Repair in 10WD	99.78%	100.00%	N/A	99.33%	99.53%	N/A	99.81%	99.53%	N/A
10.6 Average Fault Repair Time (WDs)	1.68	1.6	N/A	1.72	1.9	N/A	1.71	1.6	N/A
10.7 Fault Incidence (%)	0.27	0.12	N/A	0.27	0.12	N/A	0.32	0.12	N/A
10.8 Quality of Repair	90.11%	92.06%	N/A	86.25%	90.61%	N/A	87.79%	92.09%	N/A

Table 10 : NGA FTTC POTs Based Broadband Access KPIs

Table 10: NGA FTTC POTs Based Broadband Access KPIs



Comment on Table 10

Provisioning and Repair Of Service

The Supply of Service comparative performance between Retail and Wholesale were aligned in the three month period.

11

Wholesale Broadband Access KPIs

Table 11



Table 11 : NGA FTTC Standalone Broadband Access KPIs



- Connections

This refers to all new provides of NGA FTTC Standalone Broadband services to/from wholesale customers / Retail customers

Order Types Included: PNN, PNO, PNW

Table 11: NGA FTTC Standalone Broadband Access KPIs



FTTC - SA	Jul-21			Aug-21			Sep-21		
Metrics associated with Supply of Service	Retail	Operators	WLA	Retail	Operators	WLA	Retail	Operators	WLA
11.1 Appointments met by open eir	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
11.2 Quality of Supply	96.70%	97.89%	98.57%	97.03%	98.01%	98.53%	96.65%	97.24%	97.39%
Metrics associated with Repair of Service									
11.3 Fault Repair in 2WD	80.24%	80.45%	N/A	79.61%	76.57%	N/A	81.37%	79.53%	N/A
11.4 Fault Repair in 5WD	96.08%	96.71%	N/A	95.36%	95.53%	N/A	96.77%	96.82%	N/A
11.5 Fault Repair in 10WD	99.05%	99.53%	N/A	98.73%	99.04%	N/A	99.22%	99.16%	N/A
11.6 Average Fault Repair Time (WDs)	1.75	1.73	N/A	1.83	2.01	N/A	1.65	1.71	N/A
11.7 Fault Incidence (%)	0.92	0.69	N/A	0.89	0.61	N/A	0.97	0.69	N/A
11.8 Quality of Repair	92.83%	94.64%	N/A	91.14%	93.08%	N/A	94.18%	92.24%	N/A

Table 11 : NGA FTTC Standalone Broadband Access KPIs

Table 11: NGA FTTC Standalone Broadband Access KPIs



Comment on Table 11

12

Wholesale Broadband Access KPIs

Table 12

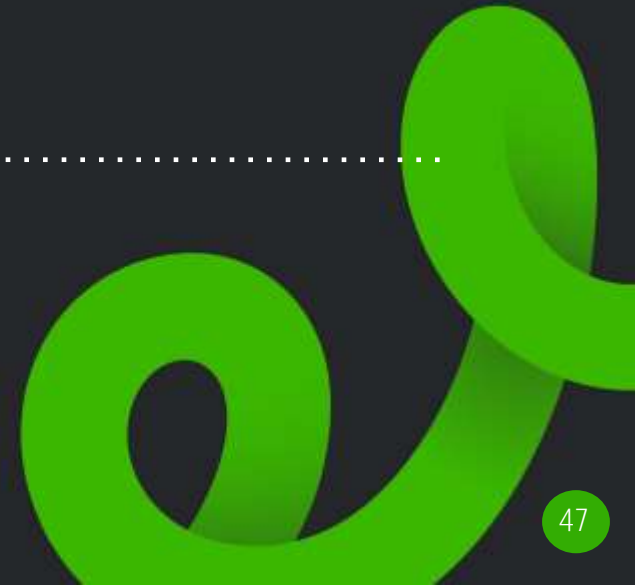


Table 12 : NGA FTTH Broadband Access KPIs

- Connections

This refers to all new provides of NGA FTTH Broadband services to/from wholesale customers / Retail customers

Order Types Included: PPN, PPW, PNN, PNO, PNW

Table 12: NGA FTTH Broadband Access KPIs



FTTH	Jul-21			Aug-21			Sep-21		
Metrics associated with Supply of Service	Retail	Operators	WLA	Retail	Operators	WLA	Retail	Operators	WLA
12.1 Appointments met by open eir	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
12.2 Quality of Supply	98.27%	98.42%	98.55%	98.46%	98.49%	98.74%	98.72%	98.86%	99.10%
Metrics associated with Repair of Service									
12.3 Fault Repair in 2WD	81.45%	82.23%	N/A	85.30%	81.20%	N/A	80.37%	84.62%	N/A
12.4 Fault Repair in 5WD	98.94%	98.35%	N/A	97.35%	98.25%	N/A	97.64%	98.58%	N/A
12.5 Fault Repair in 10WD	100.00%	100.00%	N/A	99.28%	99.50%	N/A	99.74%	99.43%	N/A
12.6 Average Fault Repair Time (WDs)	1.43	1.48	N/A	1.48	1.49	N/A	1.54	1.42	N/A
12.7 Fault Incidence (%)	0.56	0.55	N/A	0.40	0.44	N/A	0.36	0.37	N/A
12.8 Quality of Repair	98.76%	99.79%	N/A	97.59%	99.50%	N/A	98.17%	99.72%	N/A

Table 12 : NGA FTTH Broadband Access KPIs

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Comment on Table 12

