



ASIAN PAY TELEVISION TRUST

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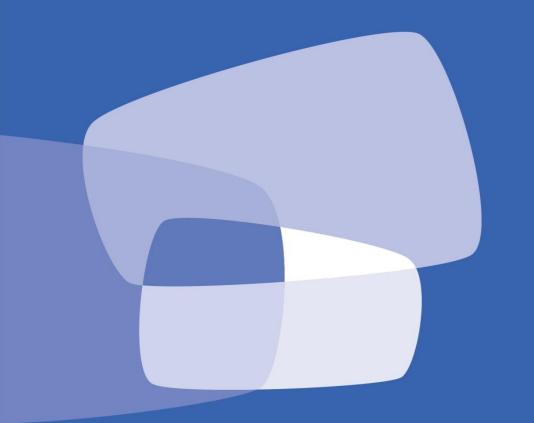
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AGENDA

- 1. 31 MARCH 2023 RESULTS
- 2. OUTLOOK & STRATEGY
- 3. BUSINESS OVERVIEW
- 4. BUSINESS DRIVERS



31 MARCH 2023 RESULTS

HIGHLIGHTS



Total revenue in constant NT\$ increased for the second consecutive quarter, reflecting the higher contribution from Broadband



Lower Q1 2023 revenue and EBITDA due to unfavourable foreign exchange rate movements

- Pevenue and EBITDA at S\$67.1 million and S\$39.4 million for the quarter; EBITDA margin held steady at 58.7%
- Revenue in constant NT\$ was up by 0.4% in the quarter compared to pcp



Total subscriber based crossed 1.3 million mark (added c.10,000 net subscribers in Q1)

- Premium digital cable TV and Broadband subscribers have been steadily increasing over the past four years
- Added c.6,000 Premium digital cable TV and c.7,000 Broadband subscribers in the quarter, which more than offset Basic cable TV churn
- Total subscriber base increased to c.1.308,000



Continued Broadband growth momentum

• Growth in Broadband subscribers and higher ARPU led to higher revenue in S\$ and NT\$ for 11 consecutive quarters, cushioning the impact of the decline in Basic cable TV business



Lower capital expenditure

- As a percentage of revenue, capital expenditure was 9.4% for the quarter within industry norms
- Capital expenditure decreased by 5.1% for the quarter compared to pcp



Distribution

• Re-affirmed distribution guidance of 1.05 cents per unit for the full year 2023 - 5% higher than 2022, to be paid in half-yearly instalments of 0.525 cents per unit, subject to no material changes in planning assumptions

HIGHLIGHTS



Disciplined approach to debt repayment, lowered gearing to 48.0%; 85% of total debt is protected against the risk of rising interest rates through to 2025



Debt management

- Made net debt repayments of S\$31 million in the quarter; lowered gearing to 48.0% (31 Dec 2022: 48.7%)
- S\$49 million to be set aside for principal repayments during the remainder of 2023
- As at 31 March 2023, TAIBOR interest rate swaps hedged approx. 93% of outstanding Onshore Facilities through to 30 June 2025; average fixed rate of 0.94%; the net exposure to rising interest rates is contained
- In January 2023, signed agreement to refinance Offshore Facilities for a 30-month period on the same major terms; financial close expected to be in July 2023, at the maturity of the existing Offshore Facilities

KEY OPERATING METRICS



Broadband ARPU improved by NT\$2 per month alongside c.7,000 more subscribers, reflecting the success of TBC's Broadband strategy to target broadband-only segment and offer higher speed plans at competitive prices

		RGUs ¹ ('000)		ARPU ² (NT\$ per month)		
		As at		Quarter ended		
	31 Mar 2023	31 Dec 2022		31 Mar 2023	31 Dec 2022	
Basic cable TV	672	675	•	460	462	
Premium digital cable TV	314	308	1	64	65	•
Broadband	322	315	1	384	382	•

- Basic cable TV: RGUs decreased by c.3,000 in the quarter to c.672,000 as at 31 March 2023 due to (i) a saturated cable TV market, (ii) competition from aggressively priced IPTV, (iii) growing popularity of online video and (iv) expectations from consumers for discounts as they compare with the lower cable TV pricing outside of TBC's³ five franchise areas, particularly in the Taipei region
- Premium digital cable TV: RGUs increased by c.6,000 in the quarter to c.314,000. ARPU was lower due to promotions and discounted bundled packages that were offered to generate new RGUs and to retain existing RGUs. Video piracy issues and aggressively priced IPTV have also impacted ARPU, which decreased marginally by NT\$1 per month in the quarter
- **Broadband:** TBC's focused broadband growth strategy led to RGUs increasing by c.7,000 in the quarter to c.322,000, while ARPU improved by NT\$2 per month in the quarter. Growth driven by partnership programs with mobile operators to drive the fixed-line broadband-only segment, and by offering higher speed plans at competitive prices. Broadband churn rate remained very low, averaging 0.5% in Q1 2023

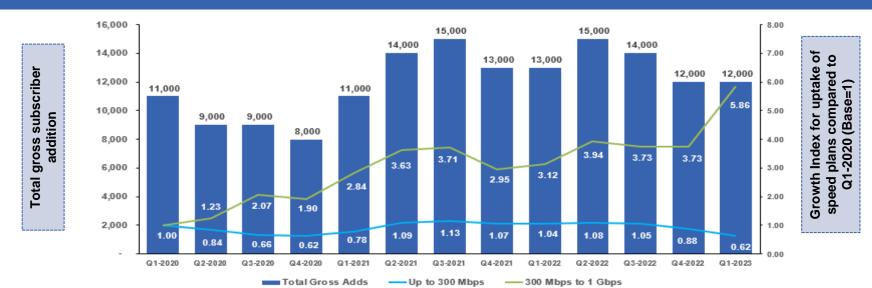
Notes: (1) RGUs refer to Revenue Generating Units, another term for subscribers or subscriptions; the terms are used interchangeably

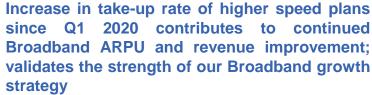
(3) TBC refers to Taiwan Broadband Communications Group

⁽²⁾ Average Revenue Per User ("ARPU") is calculated by dividing the subscription revenue for Basic cable TV or Premium digital cable TV or Broadband, as applicable, by the average number of RGUs for that service during the period

BROADBAND GROWTH MOMENTUM







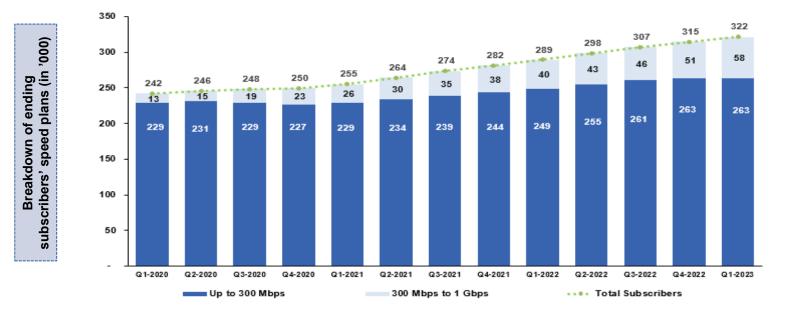
Interpretation of Growth Index from the chart:

For example, in Q1-2020 if there was 1 subscriber taking up higher speed plan with speed ranging from 300 Mbps to 1 Gbps, then in Q1-2023, there were 5.86 times more subscribers taking up higher speed plans.

Runway for broadband growth – Most of TBC's subscribers are still in the speed plans below 300 Mbps, presenting an opportunity for TBC to move them up to higher speed plans

Interpretation of the subscriber breakdown from the chart:

For example, out of total 322,000 broadband subscribers as at the end of Q1-2023, 263,000 subscribers are still in the lower speed plans of below 300 Mbps and only 58,000 subscribers are in the higher speed plans above 300 Mbps. So, there is a lot of opportunity to move these lower speed plan subscribers to higher speed plans.



FINANCIAL RESULTS



Broadband is starting to cushion the impact of the decline in Basic cable TV business; aim is to grow cash flows from Broadband business to a level that more than offsets the decline in Basic cable TV business

Group1 (\$\$'000)	Quarter ended 31 Mar			
Group ¹ (S\$'000)	2023	2022	Variance ² (%)	
Revenue				
Basic cable TV	47,889	54,699	(12.4)	
Premium digital cable TV	2,729	3,067	(11.0)	
Broadband	16,462	15,800	4.2	
Total revenue	67,080	73,566	(8.8)	
Total operating expenses ³	(27,707)	(30,377)	8.8	
EBITDA	39,373	43,189	(8.8)	
EBITDA margin	58.7%	58.7%		

In constant Taiwan dollars ("NT\$"), total revenue up 0.4% for the quarter; foreign exchange contributed to a negative variance of 9.2% for the quarter compared to the pcp

- Basic cable TV: Down 3.2% for the quarter in constant NT\$ mainly due to lower subscription revenue resulting from the decline in the number of subscribers and lower ARPU
- Premium digital cable TV: Down 1.8% for the quarter in constant NT\$. Generated predominantly from TBC's Premium digital cable TV RGUs each contributing an ARPU of NT\$64 per month during the quarter for Premium digital cable TV packages and bundled DVR or DVR-only services
- Broadband: Up 13.4% for the quarter in constant NT\$. Generated predominantly from TBC's Broadband RGUs each contributing an ARPU of NT\$384 per month during the quarter for high-speed Broadband services. Data backhaul generated 3.5% of Broadband revenue for the quarter

Notes: (1) Group refers to APTT and its subsidiaries taken as a whole

- (2) A positive variance is favourable to the Group and a negative variance is unfavourable to the Group
- (3) Total operating expenses exclude depreciation and amortisation expense, net foreign exchange gain/loss and mark to market movements on foreign exchange contracts, in order to arrive at EBITDA and EBITDA margin

Total operating expenses: Lower operating expenses for the quarter are mainly due to lower staff costs in constant dollar terms and favourable foreign exchange rate movements, partially offset by higher broadcast and production costs and other operating expenses in constant dollar terms

NET PROFIT



Net profit includes non-cash items such as depreciation and amortisation expense, foreign exchange, mark to market movements and deferred taxes

Crown1 (C#1000)	Quarter ended 31 Mar		
Group ¹ (S\$'000)	2023	2022	Variance ² (%)
Total revenue	67,080	73,566	(8.8)
Operating expenses			
Broadcast and production costs	(13,108)	(14,286)	8.2
Staff costs	(6,043)	(6,968)	13.3
Trustee-Manager fees	(1,944)	(1,814)	(7.2)
Other operating expenses	(6,612)	(7,309)	9.5
Total operating expenses	(27,707)	(30,377)	8.8
EBITDA	39,373	43,189	(8.8)
Other expenses			
Depreciation and amortisation expense	(15,044)	(18,777)	19.9
Net foreign exchange (loss)/gain	(150)	164	(>100)
Mark to market gain on derivative financial instruments	401	2,441	(83.6)
Amortisation of deferred arrangement fees	(776)	(844)	8.1
Interest and other finance costs	(11,050)	(9,615)	(14.9)
Income tax expense	(5,578)	(4,322)	(29.1)
Total other expenses	(32,197)	(30,953)	(4.0)
Profit after income tax	7,176	12,236	(41.4)

Notes: (1) Group refers to APTT and its subsidiaries taken as a whole; (2) A positive variance is favourable to the Group and a negative variance is unfavourable to the Group

SELECTED FINANCIAL INFORMATION



Selected financial information¹ are key financial metrics of APTT's business

Group ² (S\$'000)	Quarter ended 31 Mar			
Group- (3\$ 000)	2023	2022	Variance ³ (%)	
Revenue				
Basic cable TV	47,889	54,699	(12.4)	
Premium digital cable TV	2,729	3,067	(11.0)	
Broadband	16,462	15,800	4.2	
Total revenue	67,080	73,566	(8.8)	
Total operating expenses ⁴	(27,707)	(30,377)	8.8	
EBITDA	39,373	43,189	(8.8)	
EBITDA margin ⁵	58.7%	58.7%		
Capital expenditure				
Maintenance	3,461	3,501	1.1	
Network, broadband and other	2,834	3,134	9.6	
Total capital expenditure	6,295	6,635	5.1	
Income tax paid, net of refunds	(383)	(1,453)	73.6	
Interest and other finance costs paid	(13,099)	(11,359)	(15.3)	

Notes: (1) Some of the selected financial information includes non-IFRS measures

(2) Group refers to APTT and its subsidiaries taken as a whole

(3) A positive variance is favourable to the Group and a negative variance is unfavourable to the Group

(4) Total operating expenses exclude depreciation and amortisation expense, net foreign exchange gain/loss and mark to market movements on foreign exchange contracts, in order to arrive at EBITDA and EBITDA margin

(5) EBITDA margin is a non-IFRS financial measure and is calculated by dividing EBITDA by total revenue

FINANCIAL POSITION



Strengthening balance sheet and managing debt levels remain a key focus

Curry (C#1000)	As at		
Group (S\$'000)	31 Mar 2023	31 Dec 2022	
Assets			
Current assets			
Cash and cash equivalents	106,499	118,860	
Trade and other receivables	10,924	13,180	
Other assets	8,967	6,540	
	126,390	138,580	
Non-current assets			
Property, plant and equipment	226,396	234,274	
Intangible assets	2,310,234	2,315,258	
Other assets	13,882	12,801	
	2,550,512	2,562,333	
Total assets	2,676,902	2,700,913	
Liabilities			
Current liabilities			
Borrowings from financial institutions	66,387	72,974	
Trade and other payables	55,184	51,269	
Income tax payable	7,972	6,179	
Other liabilities	55,387	57,918	
	184,930	188,340	
Non-current liabilities			
Borrowings from financial institutions	1,217,865	1,243,397	
Deferred tax liabilities	105,372	102,348	
Other liabilities	28,399	27,924	
	1,351,636	1,373,669	
Total liabilities	1,536,566	1,562,009	
Net assets	1,140,336	1,138,904	

- Cash and cash equivalents: Cash balance of S\$106.5 million; S\$49 million to be set aside for onshore and offshore debt repayments during the remainder of 2023
- Intangible assets: Comprise mainly cable TV licences and includes value of goodwill, franchise rights and customer relationships
- Borrowings: Decrease is mostly attributable to repayments of Onshore and Offshore Facilities and exchange rate movement. Refer to the next slide for additional details on borrowings
- Depreciation/amortisation: Depreciation is computed on a straight-line basis over the estimated useful lives of the assets as follows:
 - Buildings: 3-50 years
 - Leasehold improvements: 3-10 years
 - Network equipment: 2-10 years
 - Transport equipment: 5 years
 - Plant and equipment: 2-5 years
 - Right-of-use assets: 1-30 years

BORROWINGS



Net exposure to rising interest rates is contained: approx. 85% of total debt is protected against the risk of rising interest rates through to 2025

Crown dobt		As at	
Group debt		31 Mar 2023	31 Dec 2022
Total size available	S\$ million	1,384	1,413
Total outstanding	S\$ million	1,300	1,333
Effective interest rate - constant dollar	% p.a.	Q1 - 2.8	Full year - 2.6
Effective interest rate - SGD	% p.a.	Q1 - 3.4	Full year - 3.0
Net debt / EBITDA ¹	Multiple	7.2	7.2
Interest cover ²	Multiple	3.7	4.0
Gearing ³	%	48.0	48.7

- Borrowings comprised NT\$ and S\$ denominated loans NT\$27.1 billion (2022: NT\$27.4 billion) and S\$117.0 million (2022: S\$136.9 million)
- Refinanced Offshore Facilities for the next 30-month period on the same major terms. Refer to the next slide for more details
- As at 31 March 2023, TAIBOR swaps have been entered into to hedge approx. 93% of outstanding Onshore Facilities through to 30 June 2025. The average fixed rate on all TAIBOR swaps is 0.94% which is currently lower than the prevailing three-month TAIBOR. As Onshore Facilities constitute approximately 91% of the Group's total outstanding debt, the net exposure to rising interest rates is contained
- Effective interest rate in constant dollar terms of 2.8% p.a. for the quarter (Full year 2022: 2.6% p.a.). Actual effective interest rate in SGD was 3.4% p.a. for the quarter (Full year 2022: 3.0% p.a.)
- As at 31 March 2023, approx. S\$84 million of revolving facilities are available to fund working capital and future initiatives, if required

OFFSHORE LOAN REDUCTION



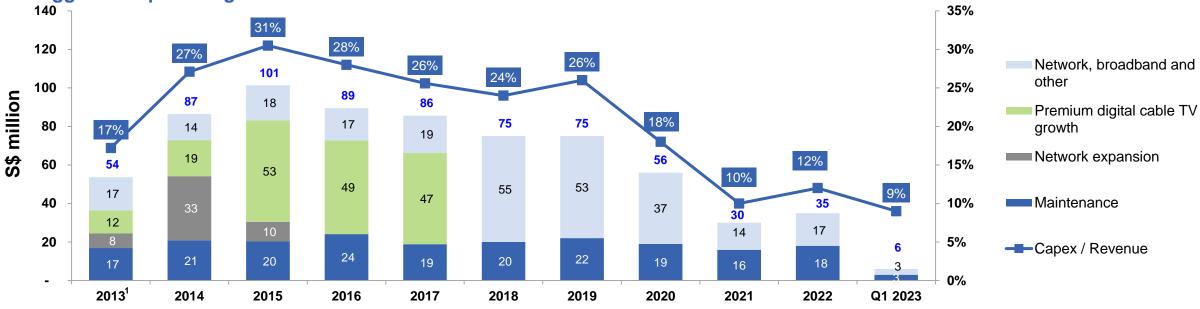
Refinanced Offshore Facilities are S\$83.4 million lower than the current Offshore Facilities – a direct result of debt management programme where accelerated debt repayments were made, using cash generated from operations

- Facility agreement signed on 17 January 2023 to refinance Offshore Facilities for a 30-month period, on the same major terms;
 financial close expected to be in July 2023, at the maturity of the existing Offshore Facilities
- After including the impact of scheduled repayments until the financial close, the size of the refinanced facilities will be reduced to a S\$46.6 million term loan facility and a S\$75 million revolving loan facility on financial close
- The refinanced facilities will bear a floating interest rate plus an interest margin ranging from 4.1% to 4.9% per annum, based on the leverage ratio of the Group (compared to 4.1% to 5.5% for the existing Offshore Facilities)
- Successful refinancing reflects lenders' confidence in APTT's business and the management
- When the refinanced facilities mature in approximately three years' time, there may be an opportunity to do a full refinancing for our offshore loan which is more expensive and bring all our debt back onshore

CAPITAL EXPENDITURE



Capital expenditure to continue to be within industry norms; investments will be limited to areas that can support our aggressive push to grow the Broadband business



- Capital expenditure was higher from 2015 to 2017 due to the regulatory requirement to switch-off analogue broadcasting and complete the digitisation of TBC's subscriber base by 2017
- Network investments remain key to future-proof TBC's network; continue increasing fibre density by bringing down the number of homes served per fibre node, beyond the current level of less than 250 homes, to (i) meet the growing demand for data and high-speed broadband services; and (ii) support mobile operators in their 5G network rollouts multi-year investments that present opportunities for the Group
- Moving forward, capital expenditure will continue to be within industry norms
- With lower capital expenditure, the Trustee-Manager aims to use excess cash generated from operations to gradually pay down debt

Capital expenditure in 2023 comprised the following:

- Maintenance capital expenditure to support TBC's existing infrastructure and business
- Network, broadband and other capital expenditure include items related to expanding the fibre network such as cabling, additional equipment to upgrade the headends, backbone and fibre nodes, DOCSIS and GPON deployments for higher speed customers, high-speed broadband modems and cable line extensions for new buildings



OUTLOOK & STRATEGY

POTENTIAL IMPACT OF RISING INTEREST RATES (TAIBOR & SIBOR)



On Debt

- 85% of total outstanding debt is hedged and protected against rising interest rates through to 2025
- 15% of total outstanding debt is unhedged:
 - 6% exposed to TAIBOR
 - 9% (Offshore Facilities) exposed to SIBOR/SORA
- While TAIBOR rates have not increased significantly over the last year, SIBOR rates have increased substantially in 2022
- Total interest costs for 2023 are expected to be affected by the changes in interest rates on the remaining 15% of total outstanding debt that remains unhedged

On Intangible Assets

- Rising interest rates affect the calculation of APTT's Weighted Average Cost of Capital ("WACC") used in the annual impairment assessment of goodwill, cable TV licences with indefinite useful lives and property, plant and equipment
- No impairment assessment was performed for the quarter ended 31 March 2023.
- The impairment assessment at the end of 2022 showed that APTT's WACC was higher, due to rising interest rates, and headroom between APTT's DCF value and book value was lower, compared to 2021. The headroom was still marginally positive, mainly due to healthy business assumptions and net cash flow forecasts
- If interest rates continue to stay elevated and/or the business environment continues to be challenging, combined with changes in other assumptions, e.g., a lower terminal growth rate, there is a possibility that this could result in an impairment loss on intangible assets in the future
- Impairment loss (if any) would be a non-cash item and would not impact the Group's operations or its cash flows

POSITIONED FOR THE MID TO LONG-TERM



Initiatives to strengthen operations and drive growth, against an increasingly challenging and competitive environment

Broadband Growth Strategy

- Step up partnership programs with mobile operators to drive fixedline broadband-only segment
- Develop new market segments and increase value-added solutions that leverage Android gateway
- Be data-backhaul ready; the contribution from data backhaul is growing and expected to add a meaningful income stream to the Broadband business within the next few years; multi-year investments for mobile operators

Strengthen Balance Sheet

- Cash generated from operations to continue funding capital expenditure; and not to use bank borrowings
- Aim to use excess cash generated from operations to accelerate debt repayments, subject to operating conditions
- Monitor capital expenditure to focus on areas that can generate Broadband growth and sustainability for long-term

Capital Management

- Interest rate swaps covering 93% of outstanding Onshore Facilities hedged through to 30 June 2025
- Average fixed rate on TAIBOR swaps is 0.94%
- Gearing stood at 48.0% as at 31 Mar 2023 (2022: 48.7%)
- Signed facility agreement to refinance Offshore Facilities for a 30month period on the same major terms; financial close expected to be in July 2023, at the maturity of the existing Offshore Facilities
- Over the long-term aim to eliminate offshore debt and bring debt back onshore to save on interest costs

Key Investments

- Investments to focus on:
 - increasing network capacity and driving higher speed plans
 - positioning APTT to benefit from Taiwan's 5G rollout and drive data backhaul business

OUTLOOK



APTT is positioned to grow in a measured way

GROWTH DRIVERS



UP-SELL & CROSS-SELL

- Continue to build on the up-sell & cross-sell initiatives across TBC's subscriber base to drive growth in future cash flows
- Leverage TBC's product offerings and strong subscriber base for growth



SCALABLE & EFFICIENT COST STRUCTURE

- Headroom in network capacity that allows provision of additional services at limited incremental cost
- Support inorganic growth in future



BROADBAND RGU GROWTH

- Intensify marketing efforts by stepping up partnership programs with mobile operators to focus on fixed-line broadband-only segment, and by offering higher speed plans at competitive prices
- High fixed broadband penetration in Taiwan; opportunity to gain more market share
- Rising demand for higher-speed broadband plans due to rapidly growing demand for data



PREMIUM DIGITAL TV

- Continue to drive growth for Premium digital TV RGUs by stepping up marketing efforts to attract new RGUs
- Consumer preference for better quality video and interactive services
- Growing number of HD television sets in Taiwan since analog TV signal only switched off in 2017

OPERATING ENVIRONMENT



CHALLENGING ENVIRONMENT

- ARPUs continue to remain under pressure due to growing popularity of online TV, challenges from video piracy issues, aggressively priced IPTV and competition from mobile operators offering inexpensive unlimited data
- Decline in demand for home shopping and stronger competition from internet retailing to continue impacting channel leasing revenue



HIGHLY REGULATED

- Basic cable TV rates for 2023 across all five franchise areas were maintained at the same rates as 2022
- All five licences have most recently been renewed in 2020 and 2021 and will be due for next renewal in 2029 or 2030

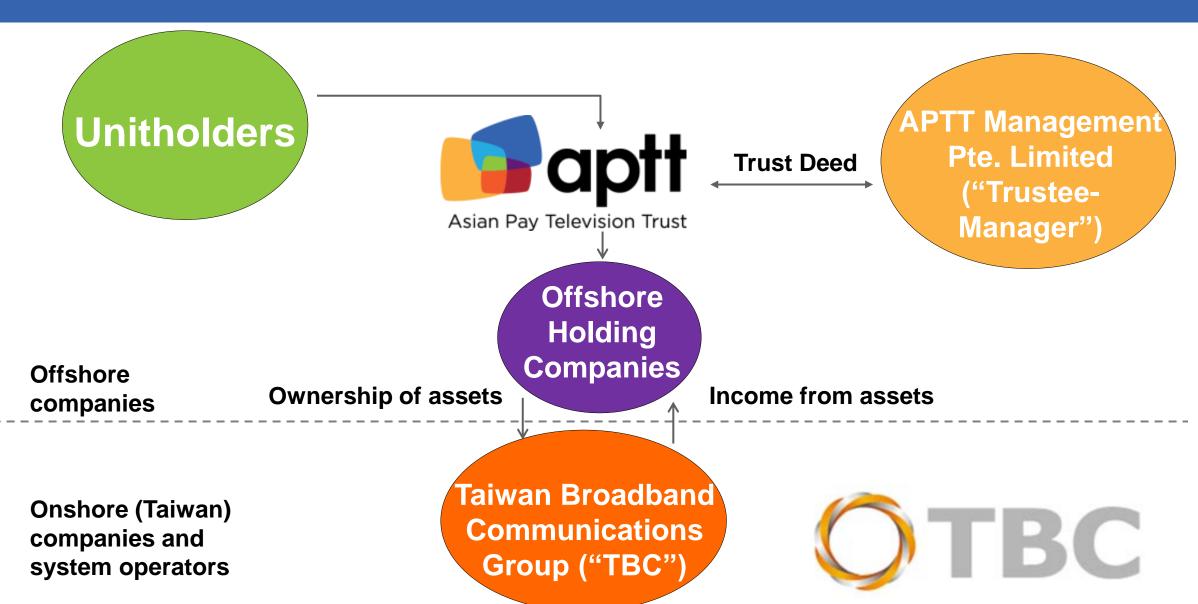
Broadband and Premium digital cable TV RGUs to continue increasing in 2023; total revenue will be influenced by the ability to manage ARPUs which will remain under pressure; total operating expenses in 2023 expected to be in line with 2022



BUSINESS OVERVIEW

TRUST STRUCTURE





OVERVIEW



aptt
Asian Bay Toloyision Trust

APTT is a business trust with a mandate to own & operate pay-TV & broadband businesses in Taiwan, Hong Kong, Japan & Singapore

- Independent Directors comprise majority of the Board of Directors (4 out of 7)
- Sole investment in Taiwan Broadband Communications ("TBC") A leading cable TV operator in Taiwan
- Cable TV operator in five franchise areas in Taiwan, with network coverage of more than 1.3 million homes
- Owns 100% of the advanced hybrid fibre coaxial cable network in the five franchise areas
- Resilient business with high barriers of entry due to high network roll out requirements
- Large customer base makes TBC attractive to local content providers
- Long standing relationship with subscribers; deep understanding of Taiwanese subscribers' viewing preferences

PRODUCT OFFERINGS

Approx. 89% of revenue is subscription-based from the three product offerings1

BASIC CABLE TV

Over 100 channels on Basic cable TV, majority of the popular channels are only available on cable TV

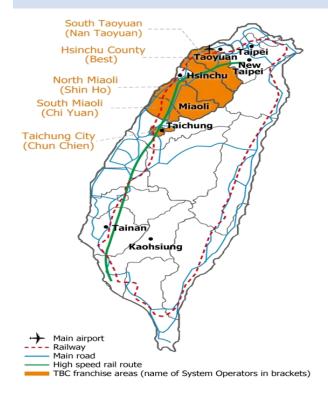
PREMIUM DIGITAL CABLE TV

Up to 68 additional channels including 67 HD channels, through MPEG4 platform. 47%¹ of TBC's Basic cable TV subscribers are also Premium digital cable TV subscribers; opportunity to upsell to the remaining 53%

BROADBAND

Growing market share, with ability to cross-sell to non-customers on DOCSIS 3.1 enabled HFC network and current speed offerings up to 1 Gbps

FRANCHISE AREAS IN NORTHERN & CENTRAL TAIWAN



- Low churn rate of 0.5%¹ for Basic cable TV (672K¹ Revenue Generating Units)
- Up-sell Premium digital cable TV and crosssell Broadband to large Basic cable TV subscriber base

Note: (1) As at 31 March 2023



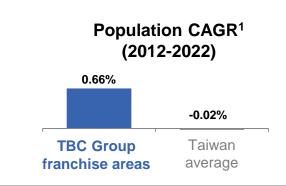
BUSINESS DRIVERS

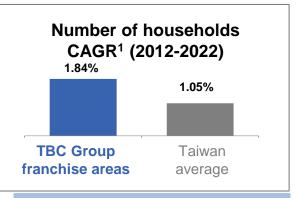
TBC'S FRANCHISE AREAS



Network coverage of more than 1.3 million households across five franchise areas in four counties of Taiwan

- Well connected via major railways, road transportation and/or international airports
- Increasing population due to workforce seeking employment in TBC Group's franchise areas
- Population growth in the five franchise areas (0.66%) outstrips national average (decline of 0.02%); Growing number of new households as more young Taiwanese set up families





South Taoyuan



- Home to Taiwan Taoyuan International Airport and close proximity to Taipei
- Service area covers 918 square km and constitutes over 75% of the total area in Taoyuan County
- Approx. 449K households and population of close to 1.2 million

Hsinchu



- Hsinchu Science Park is home to high tech companies, the city has one of the highest income levels in Taiwan
- Approx. 217K households and population of 584K

Miaoli (North & South)



- Suburban mountainous region geographically located between Hsinchu and Taichung
- Well connected via major railway and road transportation systems
- Approx. 197K households and population of 535K

Taichung City



- One of the most populous cities in Taiwan; home to Taichung International Airport
- Vibrant, diverse economy: large industrial areas and a thriving commercial sector that incorporates traditional businesses, small family-run shops & factories
- Approx. 478K households and population of 1.2 million

Note: (1) National Statistics, R.O.C. (Taiwan) 2022

TAIWAN MARKET – POTENTIAL IN FIXED-LINE BROADBAND



Relatively lower internet penetration and speed compared to other developed APAC markets

	Internet penetration rate	Number of Internet users (million)	Median fixed internet connection speed (Mbps)	Year-on-year change in median fixed internet connection speed
Asia-Pacific				
Taiwan	90.7%	21.68	124.14	+26.0%
South Korea	97.6%	50.56	95.34	+13.1%
Japan	82.9%	102.5	150.32	+61.2%
Singapore	96.9%	5.81	214.23	+16.0%
Hong Kong	93.1%	6.97	194.35	+26.2%

DataReportal, Digital 2023

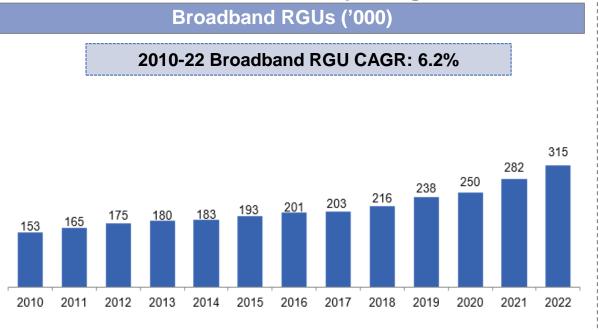
- Internet penetration in Taiwan is the second lowest at 90.7%, after Japan
- Taiwan's median fixed internet connection speed is the second slowest at 124.14 Mbps, after South Korea; there is room for Taiwan subscribers to further increase internet speed
- TBC's Broadband market share in its five franchise areas is increasing year-on-year
- Opportunity for TBC to gain more market share and meet rising demand for higher-speed broadband plans due to rapidly growing demand for data

IMPROVING BROADBAND MARKET SHARE



1Gbps

TBC's broadband market share improving in its franchise areas year-on-year



TBC Group offers competitive prices with reliable services NT\$ / month 2,000 Primary competition TBC 1,699 1.600 1,099 1.200 889 800 689 639 539 399 400 **TBC** 50Mbps 120Mbps 300Mbps 500Mbps 1Gbps

300Mbps

500Mbps

Note: (1) Primary competitor pricing based on NCC data

120Mbps

60Mbps

Primary

competitor

- DOCSIS 3.1 and GPON enabled network that meets consumer demand for high-speed internet; 1 Gbps launched since 2019
- Competitive pricing and optional bundling with digital TV
- Offering value-added services including Android OTT gateway and karaoke singing box, among others. Will continue to introduce value-added solutions that leverage the Android gateway
- Developing new market segments, including enterprise clients
- Supporting mobile operators with their network development by leveraging TBC network for data backhaul

HIGH BARRIERS TO ENTRY AGAINST CABLE ENTRANTS IN TAIWAN



Cable TV continues to be the dominant TV platform

- Superior content portfolio at competitive pricing
- Affordable services
- Adoption of superior technology by operators
- Technological disadvantages of IPTV in Taiwan

Barrier to entry against new cable entrants

- High network roll-out requirements
- Long standing relationships with subscribers; strong brand awareness
- Deep understanding of Taiwan subscribers' viewing preferences

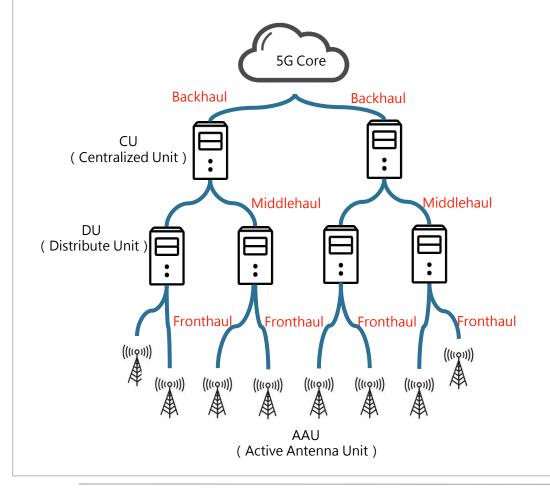
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17 Sanlih City Channel 18 TVBS-G 19 Star Chinese Channel	15	GTV Drama
18 TVBS-G 19 Star Chinese Channel	16	Star Chinese Movies
19 Star Chinese Channel	17	Sanlih City Channel
	18	TVBS-G
20 EBC Movies	19	Star Chinese Channel
	20	EBC Movies

5G DATA BACKHAUL OPPORTUNITIES



HOW DATA BACKHAUL WORKS?

For data to move from one point to another on the internet, there needs to be fibre nodes that allow these points to interface with each other.



WHY MOBILE OPERATORS IN TBC'S FIVE FRANCHISE AREAS NEED DATA BACKHAUL SERVICES?



Demand for higher speed continues to increase

Spectrum is expensive, while wireless competition is intense. CAPEX and OPEX for 5G infrastructure is costly for a mobile operator

- TBC is one of two players in its five franchise areas that owns a dense and distributed underground fibre network; TBC does not compete in the wireless space
- More efficient for 5G mobile operators to work with a 5G data backhaul partner (via 10GPON or DOCSIS3.1) to deliver higher speed/lower loss and lower interference endto-end 5G network transmission
- TBC has been increasing fibre density from an average of over 750 end-homes per fibre node three years ago to less than 250 end-homes per fibre node on average today; Broadband speeds ranging up to 1 Gbps
- TBC's increased fibre density can adequately support mobile operators, removing network congestion and allowing data to be transmitted at high speed; allows 5G mobile operators who are building their small cell stations to tap into TBC's high speed fibre data backhaul
- As a proof-of-concept, TBC has been providing data backhaul for 4G networks to a few mobile operators; although its contribution is still not significant, revenue from data backhaul over the last three years has been gradually increasing
- TBC is positioned to benefit from mobile operators' multi-year investments in the build out of their 5G networks

IMPACT OF COVID-19



Impact of the COVID-19 pandemic on TBC was limited due to the subscription-based nature of its business

- Taiwan's outlook remains uncertain as any downturn in other countries will invariably have an impact on Taiwan's export-driven economy and GDP growth. A significant and prolonged deterioration in the national GDP, disposable income or overall economic conditions could in turn adversely affect TBC's ability to grow or maintain revenues, and its financial position.
- The Trustee-Manager will continue to monitor developments of COVID-19 and their related impact on operations and exercise prudence, manage its operational and capital expenditure and strengthen APTT's debt management programme. A stronger balance sheet will provide APTT with the flexibility to navigate and compete more effectively in today's uncertain economic climate.
- During the pandemic, TBC and the Trustee-Manager activated their respective Business Continuity Plans that adhere to all regulations and guidelines in their respective jurisdictions.



END