

2024 Capitalization Rate Study Telecommunications - Large

Completed: April 26, 2024

Yield Capitalization Rate Conclusion Industry: Telecommunications - Large 2024 Assessment Year

Capital Structure ^[1] Equity Debt	55.00% 45.00%	
Equity Cost of Capital Capital Asset Pricing Model - Ex Post [2]	9.94%	Weighting 48%
Capital Asset Pricing Model - Ex Ante ^[2] 3 Stage Dividend Discount Model - Dividends ^[3] 3 Stage Dividend Discount Model - Earnings ^[3]	8.11% 9.70% 10.80%	12% 20% <u>20%</u>
Weighted Average Selected Cost of Equity	9.84% 9.84%	100%
Debt Cost of Capital		Weighting
A - Mergent's - Avg. YTM of A Rated Corporate Bonds ^[4] Baa - Mergent's - Avg. YTM of Baa Rated Corporate Bonds ^[4]	5.25% 5.64%	20% 60%
Ba - MTDOR Debt Study ^[5]	6.85%	20%
B - MTDOR Debt Study ^[5] Weighted Average	7.46% 5.80%	
Selected Cost of Debt	5.80%	_

Weighted Average Cost of Capital (WACC)

Source of Capital	Capital Structure	Cost of Capital	Marginal Tax Rate	Pre-tax Cost of Capital	After-tax Cost of Capital
Equity	55.00%	9.84%		5.41%	5.41%
Debt	45.00%	5.80%	24.00%	2.61%	1.98%
WACC	100.00%			8.03%	7.40%
WACC (Round	ded)				7.40%

Notes

- [1] From worksheet: Capital Structure
- [2] From worksheet: Capital Asset Pricing Model Summary
- [3] From worksheet: Yield Equity Summary
- [4] January 2024, Mergent Bond Record
- [5] Montana Department of Revenue High Yield Debt Study

Direct Capitalization Rate Conclusion Industry: Telecommunications - Large 2024 Assessment Year

Canital	Structure	[1]
Cabilai	Suuctuie	

Equity 55.00%

Debt 45.00%

Equity Capitalization Rate [2]

NOI After-tax **10.23%** GCF **21.89%**

Debt Capitalization Rate [3]

Calculated Current Yield 4.93%

NOI After-tax Direct Capitalization Rate

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	Pre-tax Capitalization Rate	After-tax Capitalization Rate
Equity	55.00%	10.23%		5.62%	5.62%
Debt	45.00%	4.93%	24.00%	2.22%	1.69%
Total	100.00%			7.84%	7.31%
Total (Rounded)					7.35%

GCF Direct Capitalization Rate

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	Pre-tax Capitalization Rate	After-tax Capitalization Rate
Equity	55.00%	21.89%	Nate	12.04%	12.04%
Debt	45.00%	4.93%	24.00%	2.22%	1.69%
Total	100.00%			14.26%	13.73%
Total (Rounded)					13.75%

Notes:

- [1] From worksheet: Capital Structure
- [2] From worksheet: Direct Equity Summary
- [3] From worksheet: Calculated Current Yield

Selection of Guideline Companies Industry: Telecommunications - Large 2024 Assessment Year

Screening Requirements:

The universe of companies is all companies listed in Value Line under the Cable TV and Telecom Services industries.

Companies were then selected using the following screening criteria:

- 1. Market value of equity above 50 billion USD.
- 2. Incorporated in the United States of America.
- 3. Primarily provides two-way transmission of voice, image, data, or other information over wire, cable, fiber optics, microwave, radio, satellite, or similar facilities.
- 4. No significant merger & acquisition activity during the year.

The Value Line industry groups listed above were analyzed to determine which companies had a market capitalization over 50 billion U.S. dollars at December 31, 2023. Initial analysis revealed seven companies that met this criteria: Comcast Corp. (CMCSA), Charter Communications (CHTR), AT&T Inc. (T), T-Mobile US, Inc. (TMUS), Verizon Communications (VZ), Deutsche Telekom ADR (DTEGY), and America Movil (AMX). Five companies were then verified as incorporated in the United States (all except DTEGY & AMX). The five remaining companies (CHTR, CMCSA, T, TMUS, VZ) were analyzed for significant merger and acquisition activity during the previous year. Finding no disqualifying activity, the five companies were selected for use as guideline public companies in estimating the cost of capital in this study.

Support for Capital Structure Industry: Telecommunications - Large 2024 Assessment Year

(\$ and Shares Outstanding In Millions, Except Per Share Amounts)

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					End of					Total			
					Year					Common,			1
					Closing					Preferred, LT			1
Ticker		Industry	Financial	Shares	Stock	MV Common	MV Preferred	MV Long Term	PV of Operating	Debt, & Op		%	% Debt &
Symbol	Company	Group	Strength	Outstanding	Price	Stock	Stock	Debt	Leases	Leases	% Common	Preferred	Op Leases
		Value Line	Value Line	10-K	Yahoo	ExF	10-K	10-K	10-K	G+H+I+J	G/K	H/K	(I+J)/K
							Note [1]	Note [2]					
CHTR	Charter Communic.	CABLETV	B+	145	388.68	56,446	0	87,729	1,418	145,593	39%	0%	61%
CMCSA	Comcast Corp.	CABLETV	A+	3,969	43.85	174,055	0	92,190	6,586	272,831	64%	0%	36%
Т	AT&T Inc.	TELESERV	B++	7,150	16.78	119,978	0	132,403	21,092	273,473	44%	0%	56%
TMUS	T-Mobile US	TELESERV	Α	1,196	160.33	191,724	0	70,416	31,795	293,935	65%	0%	35%
VZ	Verizon Communic.	TELESERV	A+	4,204	37.70	158,501	0	147,701	24,268	330,470	48%	0%	52%
All Comp	anies					700,703	0	530,439	85,159	1,316,301	53%	0%	47%
Averaç	je										52%	0%	48%
Mediar	1										48%	0%	52%
Trimm	ed Average										52%	0%	48%
High											65%	0%	61%
Low											39%	0%	35%
Selected											55%		45%

Notes	٠
INOTES	

[1] Market value of preferred stock assumed to equal book value

[2] Market value of debt is fair value of long term debt from 10-K notes

MCA 15-1-210, rationale for changes to guideline companies:

2024 - No changes to guideline companies

	<u>Median</u>	
48%	0%	52%
50%	0%	50%
53%	0%	47%
50%	0%	50%
	50% 53%	48% 0% 50% 0% 53% 0%

Capital Asset Pricing Model (CAPM)
Industry: Telecommunications - Large
2024 Assessment Year

$k_e = R_f + \beta x ERP$

		Ex Post	Ex Ante
K _e =	Cost of Equity	9.94%	8.11%
$R_f =$	Risk Free Rate	4.20%	4.20%
β =	Beta	0.80	0.80
ERP =	Equity Risk Premium $(R_m - R_f)$	7.17%	4.88%
$R_m =$	Market Rate of Return	11.37%	9.08%

Risk Free Rate Measures (R_f):

The Value Line Investment Survey: Selection & Opinion ^[1]	
January 5, 2024 Page 841	
Selected Yields on Taxable U.S. Treasury Securities as of 12/22/23	
10-year	3.90%
30-year	4.05%
U.S. government securities, Treasury constant maturities, Nominal, December 29, 2023	
10-year	3.88%
20-year	4.20%
30-year	4.03%
Risk Free Rate Selected	

Notes

- [1] "Value Line Selection & Opinion", Value Line (January 5, 2024)
- [2] https://www.federalreserve.gov/releases/h15/

Capital Asset Pricing Model (CAPM)
Industry: Telecommunications - Large
2024 Assessment Year

$k_e = R_f + \beta x ERP$

Ex Post - Equity Risk Premium Measur	es (ERP = Rm - Rf)			
Kroll, 2024 Cost of Capital Navigator				
		$\underline{R_{m}}$	$\underline{R_{f}}$	<u>ERP</u>
ERP "Historical" - Ex Post	Arithmetic Avg.	11.31%	4.14%	7.17%
ERP "Supply-side" - Ex Post	Arithmetic Avg.	10.36%	4.14%	6.22%
Ex Post Equity Risk Premium Selec	J	11.37%	4.20%	7.17%
Ex Ante - Equity Risk Premium Measur	res (ERP = Rm - Rf)			
DOR 3 Stage Dividend Growth Model, S	& P 500, See Exhibit			
-		R_{m}	$R_{\rm f}$	ERP
ERP - Ex Ante		7.22%	4.20%	3.02%
Kroll, 2024 Cost of Capital Navigator				
-		R_{m}	$R_{\rm f}$	ERP
ERP "Conditional" - Ex Ante		9.00%	3.50%	5.50%
Damodaran Implied ERP (Jan 5, 2024)				
		R_{m}	$R_{\rm f}$	ERP
Implied Premium - Ex Ante - Trailing 12	2 month, with adjusted payout	8.45%	3.88%	4.57%
Implied Premium - Ex Ante - Trailing 12		8.48%	3.88%	4.60%
Implied Premium - Ex Ante - Average C	•	9.95%	3.88%	6.07%
Implied Premium - Ex Ante - Net cash y	<i>y</i> ield	8.31%	3.88%	4.43%
Implied Premium - Ex Ante - Normalize		8.17%	3.88%	4.29%
Damodaran Average		8.67%	3.88%	4.79%
		R_{m}	$R_{\rm f}$	<u>ERP</u>
<u>Average</u>		8.51%		4.64%
Median		8.45%		4.57%
High		9.95%		6.07%
Low		7.22%		3.02%
Ex Ante Equity Risk Premium Selec	eted	9.08%	4.20%	4.88%

Support for Beta Selection in CAPM Industry: Telecommunications - Large 2024 Assessment Year

Α	В	С	D	E
Ticker		Industry	Financial	
Symbol	Company	Group	Strength	Beta
		Value Line	Value Line	Value Line
CHTR	Charter Communic.	CABLETV	B+	0.95
CMCSA	Comcast Corp.	CABLETV	A+	0.85
T	AT&T Inc.	TELESERV	B++	0.80
TMUS	T-Mobile US	TELESERV	Α	0.75
VZ	Verizon Communic.	TELESERV	A+	0.65
Average				0.80
Median				0.80
Trimmed A	Average			0.80
High				0.95
Low				0.65
Selected				0.80

Inflation & Real Growth
Industry: Telecommunications - Large
2024 Assessment Year

				Nomina	l Growth
Α	В	С	D	E	F
Source Description	Inflation (CPI)	Real Growth (GDP)	Nominal Growth	Low	High
Livingston Survey ^[1]	2.30%	2.00%	4.30%		
Survey of Professional Forecasters ^[2]	2.24%	2.00%	4.24%		
Congressional Budget Office ^[3]	2.20%	1.90%	4.10%		
Average	2.25%	1.97%	4.21%		
Median	2.24%	2.00%	4.24%		
High	2.30%	2.00%	4.30%		
Low	2.20%	1.90%	4.10%		
Selected	2.25%	2.00%	4.25%	4.10%	4.30%

Inflationary Trend	Inflationary Trend Factors Percent Percent Percent Percent														
Year	Dec. CPI-U Index	Percent Change From Previous	Dec. to Dec. Conversion Factor	Annual Avg. CPI-U Index	Percent Change From Previous	Annual Conversion Factor									
	Note [5]	Note [6]	Note [7]	Note [5]	Note [6]	Note [7]									
2012	229.601	1.7%	1.3360	229.594	2.0%	1.3271									
2013	233.049	1.5%	1.3162	232.957	1.4%	1.3080									
2014	234.812	0.8%	1.3063	236.736	1.6%	1.2871									
2015	236.525	0.7%	1.2969	237.017	0.1%	1.2856									
2016	241.432	2.0%	1.2705	240.007	1.2%	1.2696									
2017	246.524	2.1%	1.2443	245.120	2.1%	1.2431									
2018	251.233	1.9%	1.2210	251.107	2.4%	1.2134									
2019	256.974	2.2%	1.1937	255.657	1.8%	1.1918									
2020	260.474	1.3%	1.1776	258.811	1.2%	1.1773									
2021	278.802	6.6%	1.1002	270.970	4.5%	1.1245									
2022	296.797	6.1%	1.0335	292.655	7.4%	1.0412									
2023	306.746	3.2%	1.0000	304.702	4.0%	1.0000									

<u>Notes</u>

[1] Federal Reserve Bank of Philadelphia The Livingston Survey December 15, 2023 Table 3 Inflation Rate and Real GDP mean

https://www.philadelphiafed.org/research-and-data/real-time-center/livingston-survey

[2] Federal Reserve Bank of Philadelphia Survey of Professional Forecasters February 9, 2024 Table 8 and Table 9 Average over next 10-Year mean

https://www.philadelphiafed.org/surveys-and-data/real-time-data-research/survey-of-professional-forecasters

[3] The Budget and Economic Outlook: 2024 To 2034, Table 2-1

https://www.cbo.gov/about/products/budget-economic-data#4

[5] Historical Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, all items, index averages (1982-84=100, unless otherwise noted)

https://www.bls.gov/cpi/tables/supplemental-files/

[6] (Row year - Previous Year) / Row Year

[7] Most current year / Row year

3 Stage Dividend Discount Model (DDM) Industry: Telecommunications - Large 2024 Assessment Year

 $k_e = (D_1 / P_0) + g$

k_e = Cost of Equity

D₁ = Expected Dividend

P₀ = Current Price Per Share

g = Sustainable Long-Term Growth

Α	В	С	D	E	F	G	Н	I
		2023	2024 Est		Sustainable	Sustainable	Cost of Equity	Cost of Equity
		Year End Stock	Div'ds Decl'd	Expected Equity	Long-Term	Long-Term	Dividend	Earnings
Ticker	Company	Price	per sh	Payout Yield	Growth Rate [1]	Growth Rate [1]	Growth	Growth
		Yahoo	Value Line	D/C	Dividends	Earnings	E+F	E+G
		P_{0}	D ₁	D ₁ /P ₀	g	g	k _e	k _e
CHTR	Charter Communic.	388.68	0.00	0.00%	0.00%	0.00%		
CMCSA	Comcast Corp.	43.85	1.23	2.81%	6.46%	6.08%	9.27%	8.88%
T	AT&T Inc.	16.78	1.11	6.62%	3.93%	7.16%	10.55%	13.78%
TMUS	T-Mobile US	160.33	2.60	1.62%	6.71%	7.09%	8.34%	8.72%
VZ	Verizon Communic.	37.70	2.70	7.16%	3.48%	4.67%	10.65%	11.83%
Average	9						9.70%	10.80%
Median							9.91%	10.36%
High							10.65%	13.78%
Low							8.34%	8.72%
Selected							9.70%	10.80%

Notes Implied Sustainable LTG: 5.15% 6.25%

[1] From worksheet: DDM Sustainable Long-Term Growth

Support for DDM - Short Term Growth Rate Calculations Industry: Telecommunications - Large 2024 Assessment Year

Α	В	С	D	Е	F	G
Ticker	Company	End of Year Closing Stock Price	Div'ds Decl'd per sh 2024 Est ^[1]	Expected Dividend Yield	Div'ds Decl'd per sh 2026-2028 Est ^[1]	Short Term Growth Rate
		Yahoo	Value Line	D/C	Value Line	Note [2]
CHTR	Charter Communic.	388.68	0.00	0.00%	0.00	0.00%
CMCSA	Comcast Corp.	43.85	1.23	2.81%	1.60	9.16%
T	AT&T Inc.	16.78	1.11	6.62%	1.24	3.76%
TMUS	T-Mobile US	160.33	2.60	1.62%	3.60	11.46%
VZ	Verizon Communic.	37.70	2.70	7.16%	2.96	3.11%

Α	В	С		D	E
			Ea	arnings per	
		Earnings per		share	
		share	2	2026-2028	Short Term
Ticker	Company	2024 Est ^[1]		Est ^[1]	Growth Rate
		Value Line	\	Value Line	Note [2]
CHTR	Charter Communic.	38.50		48.25	7.81%
CMCSA	Comcast Corp.	4.20		5.35	8.40%
Т	AT&T Inc.	2.55		3.25	8.42%
TMUS	T-Mobile US	9.25		13.10	12.30%
VZ	Verizon Communic.	4.90		5.65	4.86%

<u>Notes</u>

[1] From Value Line Tissue

[2] 4 year compound annual growth rate (CAGR) - 3 periods

Support for DDM - Sustainable Long Term Growth Industry: Telecommunications - Large 2024 Assessment Year

Dividend	Growth Rate	T	ı		1		ı		Stage 1	1	1	1	
Ticker	icker Company		Expected Short-Term Dividend Growth Rate	Expected Long-Term Growth Rate	Expected Dividend Yield	Internal Rate of Return	Implied Sustainable Long-Term Growth Rate (g)	Initial Investment	D_1	D_2	D_3	D_4	D_5
						Ke = IRR of	g = IRR - Div.				_		
		Yahoo	Note [1]	Note [2]	D ₁ /P ₀	D ₁ :D ₅₀₀	Yield						
CHTR	Charter Communic.	388.68	0.00%	4.25%	0.00%	0.00%	0.00%	(388.68)	0.00	0.00	0.00	0.00	0.00
CMCSA	Comcast Corp.	43.85	9.16%	4.25%	2.81%	9.27%	6.46%	(43.85)	1.23	1.34	1.47	1.60	1.75
T	AT&T Inc.	16.78	3.76%	4.25%	6.62%	10.55%	3.93%	(16.78)	1.11	1.15	1.20	1.24	1.29
TMUS	T-Mobile US	160.33	11.46%	4.25%	1.62%	8.34%	6.71%	(160.33)	2.60	2.90	3.23	3.60	4.01
VZ	Verizon Communic.	37.70	3.11%	4.25%	7.16%	10.65%	3.48%	(37.70)	2.70	2.78	2.87	2.96	3.05

Earnings	Growth Rate	Stage 1											
Ticker	Company	Year End Stock Price	Expected Short-Term Earnings Growth Rate	Expected Long-Term Growth Rate	Expected Dividend Yield	Internal Rate of Return	Implied Sustainable Long-Term Growth Rate (g)	Initial Investment	D ₁	D_2	D_3	D₄	D ₅
						Ke = IRR of	g = IRR - Div.			_	-		-
		Yahoo	Note [1]	Note [2]	D_1/P_0	D ₁ :D ₅₀₀	Yield						
CHTR	Charter Communic.	388.68	7.81%	4.25%	0.00%	0.00%	0.00%	(388.68)	0.00	0.00	0.00	0.00	0.00
CMCSA	Comcast Corp.	43.85	8.40%	4.25%	2.81%	8.88%	6.08%	(43.85)	1.23	1.33	1.45	1.57	1.70
T	AT&T Inc.	16.78	8.42%	4.25%	6.62%	13.78%	7.16%	(16.78)	1.11	1.20	1.30	1.41	1.53
TMUS	T-Mobile US	160.33	12.30%	4.25%	1.62%	8.72%	7.09%	(160.33)	2.60	2.92	3.28	3.68	4.14
VZ	Verizon Communic.	37.70	4.86%	4.25%	7.16%	11.83%	4.67%	(37.70)	2.70	2.83	2.97	3.11	3.26

Notes [1] From worksheet: DDM Short Term Growth Rate Calculations

[2] From worksheet: Inflation & Real Growth

Support for DDM - Sustainable Long Term Growth Industry: Telecommunications - Large 2024 Assessment Year

Dividend	Dividend Stage 2															Stage 3		
Ticker	D ₆	D ₇	D_8	D ₉	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂	D ₅₀₀
CHTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
CMCSA	1.90	2.07	2.25	2.45	2.67	2.90	3.16	3.44	3.74	4.07	4.43	4.82	5.25	5.71	6.22	6.48	6.76	2,952,602,006
Т	1.34	1.39	1.44	1.49	1.55	1.61	1.67	1.73	1.80	1.87	1.94	2.01	2.09	2.17	2.25	2.34	2.44	1,067,840,338
TMUS	4.45	4.94	5.48	6.09	6.75	7.50	8.32	9.23	10.25	11.37	12.62	14.00	15.54	17.25	19.14	19.95	20.80	9,087,059,713
VZ	3.15	3.25	3.35	3.46	3.57	3.68	3.80	3.92	4.05	4.18	4.31	4.45	4.59	4.74	4.89	5.09	5.31	2,320,291,517

Earnings	arnings Stage 2 Stage 3																	
Ticker	D ₆	D_7	D_8	D₃	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂	D ₅₀₀
				-			.=											
CHTR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
CMCSA	1.84	1.99	2.15	2.32	2.51	2.71	2.93	3.17	3.43	3.71	4.01	4.34	4.69	5.07	5.48	5.71	5.96	2,602,700,830
Т	1.66	1.79	1.94	2.10	2.27	2.45	2.65	2.87	3.10	3.36	3.63	3.92	4.24	4.59	4.96	5.17	5.39	2,356,552,443
TMUS	4.62	5.17	5.77	6.45	7.21	8.06	9.01	10.07	11.25	12.57	14.05	15.70	17.55	19.62	21.92	22.86	23.83	10,409,614,866
VZ	3.42	3.59	3.76	3.94	4.13	4.33	4.54	4.76	4.99	5.23	5.48	5.74	6.02	6.31	6.62	6.90	7.19	3,141,025,867

Support for Yield Capitalization Rate - Debt Rating Industry: Telecommunications - Large 2024 Assessment Year

Α	В	С	D	E	F
				Moody's	
Ticker		Industry	Financial	Long Term	Yield to
Symbol	Company	Group	Strength	Rating	Maturity
		Value Line	Value Line	Moodys.com	
CHTR	Charter Communic.	CABLETV	B+	Ba2	6.85%
CMCSA	Comcast Corp.	CABLETV	A+	A3	5.25%
Т	AT&T Inc.	TELESERV	B++	Baa2	5.64%
TMUS	T-Mobile US	TELESERV	Α	Baa	5.64%
VZ	Verizon Communic.	TELESERV	A+	Baa1	5.64%
Averag	е				5.80%
Median	1				5.64%
Trimme	ed Average				5.64%
High					6.85%
Low					5.25%
Selected					5.80%

^{*}Highlighted ratings are estimated based on financial strength and historical interest coverage ratios

Support for Direct Capitalization - Equity Capitalization Rates Industry: Telecommunications - Large 2024 Assessment Year

Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R
		End of Year					Ke	Ke					Ke Estimate - Cash	Ke Estimate - Cash			
		Closing					Estimate -	Estimate -	VL Historic	VL Est		VL Est	Flow	Flow		Book	
Ticker		Stock	VL Historic		VL Historic	VL Est P/E	Earnings	Earnings	Cash Flow	Cash Flow	VL Historic	P/CF	(Hist.	(Est.	Market Value	Value	1
Symbol	Company	Price	EPS	VL Est EPS	P/E Ratio	Ratio	(Hist. P/E)	(Est. P/E)	Per Share	Per Share	P/CF Ratio	Ratio	P/CF)	P/CF)	of Equity	of Equity	MTBR
		Yahoo	Value Line	Value Line	C/D	C/E	1/F	1/G	Value Line	Value Line	C/J	C/K	1/L	1/M	Price x Shrs	10-K	P/Q
CHTR	Charter Communic.	388.68	30.02	38.50	12.95	10.10	7.72%	9.91%	91.26	97.25	4.26	4.00	23.48%	25.02%	56,446	11,086	5.09
CMCSA	Comcast Corp.	43.85	3.97	4.20	11.05	10.44	9.05%	9.58%	7.20	7.85	6.09	5.59	16.42%	17.90%	174,055	82,703	2.10
Т	AT&T Inc.	16.78	2.36	2.55	7.11	6.58	14.06%	15.20%	5.01	5.45	3.35	3.08	29.86%	32.48%	119,978	103,297	1.16
TMUS	T-Mobile US	160.33	6.93	9.25	23.14	17.33	4.32%	5.77%	17.67	20.75	9.07	7.73	11.02%	12.94%	191,724	64,715	2.96
VZ	Verizon Communic.	37.70	4.71	4.90	8.00	7.69	12.49%	13.00%	9.25	9.00	4.08	4.19	24.54%	23.87%	158,501	91,144	1.74
Average	9				12.45	10.43	9.53%	10.69%	_		5.37	4.92	21.06%	22.44%	=		2.61
Median					11.05	10.10	9.05%	9.91%			4.26	4.19	23.48%	23.87%			2.10
Trimme	d Average				10.67	9.41	9.76%	10.83%			4.81	4.59	21.48%	22.27%			1.59
High					23.14	17.33	14.06%	15.20%			9.07	7.73	29.86%	32.48%			5.09
Low					7.11	6.58	4.32%	5.77%			3.35	3.08	11.02%	12.94%			1.16
Selected					9.	78	10.2	23%			4.5	7	21.8	9%			2.61

Support for Direct Capitalization Cost of Debt Component - Calculated Current Yield Industry: Telecommunications - Large 2024 Assessment Year

(\$ in Millions)

Α	В	С	D	E	F	G	Н	I	J
		Current Year	Previous Year	Previous Year	Current Year	Current Year	Average	Current Yield	MTBR
Ticker	Company	Interest Exp.	MV LT Debt	BV LT Debt	MV LT Debt	BV LT Debt	MV LT Debt		
		10-K	10-K	10-K	10-K	10-K	(D+F)/2	(C/H)	(F/G)
CHTR	Charter Communic.	5,188	82,798	97,603	87,729	97,777	85,264	6.08%	0.90
CMCSA	Comcast Corp.	4,087	86,911	94,811	92,190	97,090	89,551	4.56%	0.95
Τ	AT&T Inc.	6,704	125,207	135,890	132,403	137,331	128,805	5.20%	0.96
TMUS	T-Mobile US	3,335	64,199	71,960	70,416	75,018	67,308	4.95%	0.94
VZ	Verizon Communic.	5,524	140,771	150,639	147,701	150,674	144,236	3.83%	0.98
All Companies		24,838			530,439	557,890	515,163	4.82%	0.95
Average							4.93%	0.95	
Median								4.95%	0.95
Trimmed Average								0.05	0.95
High								6.08%	0.98
Low								3.83%	0.90
Selected									0.95

Support of Stock Price - From YAHOO Finance Industry: Telecommunications - Large 2024 Assessment Year

		End of Period Closing Stock Price											
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N
Ticker	Company	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
CHTR	Charter Communic.	384.31	367.61	357.61	368.7	326.15	367.37	405.19	438.12	439.82	402.8	400.13	388.68
CMCSA	Comcast Corp.	39.35	37.17	37.91	41.37	39.35	41.55	45.26	46.76	44.34	41.29	41.89	43.85
T	AT&T Inc.	20.37	18.91	19.25	17.67	15.73	15.95	14.52	14.79	15.02	15.4	16.57	16.78
TMUS	T-Mobile US	149.31	142.18	144.84	143.9	137.25	138.9	137.77	136.25	140.05	143.86	150.45	160.33
VZ	Verizon Communic.	41.57	38.81	38.89	38.83	35.63	37.19	34.08	34.98	32.41	35.13	38.33	37.7

