

RBC Capital Markets, LLC

Ross Sandler (Analyst)

(212) 428-6227; ross.sandler@rbccm.com

David Bank (Analyst)

(212) 858-7333; david.bank@rbccm.com

Ryan Vineyard (Analyst)

(212) 428-6489; ryan.vineyard@rbccm.com

Andre Sequin (Associate)

(212) 618-7688; andre.sequin@rbccm.com

Benjamin Abrams (Associate)

(212) 428-6622; benjamin.abrams@rbccm.com

Sun-Il (Sean) Kim (Associate)

(212) 428-2363; sean.kim@rbccm.com

FY Dec	2010A	2011E	2012E	
Revenue (MM)	279.6	336.0	392.7	
Prev.		327.4	375.5	
Adj EBITDA (MM)	25.1	38.1	53.6	
Prev.		36.1	52.6	
Adj EPS - FD		(0.04)	0.21	
Prev.		0.01	0.30	
P/AEPS	NM	NM	61.3x	
Revenue (MM)	Q1	Q2	Q3	Q4
2010	63.2A	81.7A	73.1A	61.6A
2011	72.7A	99.0A	89.6A	74.7E
Prev.			86.4E	69.3E
2012	82.5E	116.0E	104.9E	89.3E
Prev.	82.3E	113.7E	99.8E	79.6E
Adj EBITDA (MM)				
2010	1.1A	11.8A	9.3A	2.9A
2011	2.6A	20.4A	12.7A	2.4E
Prev.			11.5E	1.6E
2012	5.0E	26.4E	18.0E	4.2E
Prev.	4.5E	29.5E	16.8E	1.9E
Adj EPS - FD				
2011	(0.12)A	0.18A	0.05A	(0.15)E
Prev.			0.06E	(0.12)E
2012	(0.07)E	0.26E	0.13E	(0.11)E
Prev.	(0.06)E	0.34E		

All values in USD unless otherwise noted.

COMPANY UPDATE | COMMENT

NOVEMBER 11, 2011

Active Network, Inc. (NYSE: ACTV)

Active Beats Top And Bottom Line Again In 3Q, Raising **Estimates**

Outperform Above Average Risk

Price:	12.87	Price Target:	22.00
		Implied All-In Return:	71%
Shares O/S (MM):	62.8	Market Cap (MM):	808
Dividend:	0.00	Yield:	0.0%

Reported 3Q11 Earnings

Net: Active reported a beat and raise quarter once again in 3011. The company continues to outperform expectations and execute on its plan for mid-teens registration volume growth and healthy Y/Y margin expansion. In terms of vertical categories, Active is seeing solid growth across both offline registration growth (outdoor) and core endurance, camping and faith-based online registration and technology growth. The company announced the acquisition of Resort Technology Partners, a leading software provider to the winter resort space, which exposes ACTV to cross selling opportunities in its participant pool (especially tennis/skiing) and is accretive following the deferred revenue hit in 2012. We have increased 2012 revenue and EBITDA by 5% and 2%, which incorporates 2% upside from core operations and \$10m in RTP revenue. ACTV's multiple has compressed ~15% in the past quarter, despite the solid outperformance in both 2Q and 3Q, which we view as a buying opportunity. Our longer term thesis is fully intact and is based on ACTV's strong recurring revenue model, margin expansion mix-shift to more profitable online registrations and limited competition. Our rating remains Outperform, and our price target remains \$22.

Positives: ACTV reported revenue and EBITDA of \$89.6m and \$12.7m, which were 4% and 10% above our estimates and above the high end of the guided range. Software and marketing services revenue were the standout performers in the quarter, beating our estimates by 11% and 20%, respectively. The mid-points of the company's 4Q11 revenue and EBITDA guidance were 6% and 28% ahead of our prior estimates.

Negatives: There were few material negatives to point to for ACTV in 3Q. Technology gross margin compressed 320bps y/y in 3Q11 vs. a slight improvement in the second quarter. This deleverage was driven by non-cash items as well as some one-time implementation costs, and led to overall gross margin compression of 190bps, only 30bps of which was core. 4Q guidance assumes a steep deceleration in marketing services revenue, as ACTV had some ad campaigns pull forward into 2Q and 3Q, more than offset by stronger technology revenue growth.

Estimate Changes and Valuation: We have increased our 2012 revenue and EBITDA estimates by 5% and 2%, respectively. Our rating remains Outperform and our price target remains \$22.

Priced as of prior trading day's market close, EST (unless otherwise noted). For Required Conflicts Disclosures, see Page 6.

Exhibit 1: 3Q11 Results vs. RBC Capital Markets Estimates

(\$ in Millions, except per share amounts)

	3Q11A	3Q11E	<u>Variance</u>	2Q11A	<u>% Q/Q</u>	3Q10A	<u>% Y/Y</u>	Cons.	Guidance
Registrations (mm):									
Total Registrations	23.5	22.1	6.5%	24.6	-4%	20.5	14.8%		21.5-21.9
Avg. Revenue per Registration	\$2.59	\$2.78	-6.8%	\$2.84	-9%	\$2.54	1.8%		\$2.70-\$2.75
Revenues									
Registration revenue	60.9	61.4	-0.8%	69.7	-12.7%	52.1	16.9%		
Software revenue	15.4	13.9	10.8%	15.8	-2.3%	10.3	49.6%		
Technology revenue	76.3	75.3	1.4%	85.6	-10.8%	62.4	22.3%		
Marketing revenue	13.3	11.1	19.5%	13.5	-1.2%	10.7	24.3%		
Net revenue	89.6	86.4	3.7%	99.0	-9.5%	73.1	22.6%	85.8	84-88
Cost of Revenues	39.8	36.6	9.0%	40.1	-0.8%	31.1	28.1%		
Gross Profit	49.8	49.9	-0.2%	58.9	-15.4%	42.0	18.6%		
Operating Expenses:									
Sales and marketing expenses	16.8	18.0	-6.3%	18.3	-8.2%	14.9	13.0%		
Research and development expenses	17.3	16.7	3.4%	16.2	7.0%	15.0	15.1%		
General and administrative expenses	10.4	11.0	-5.6%	11.1	-5.9%	8.9	16.7%		
Amortization of intangibles	3.7	3.8	-2.7%	3.7	-1.3%	4.0	-8.9%		
Stock-based compensation	2.0	1.6	23.5%	2.1	-4.7%	1.3	46.0%		
Total Operating Expenses	50.2	51.1	-1.8%	51.4	-2.2%	44.2	13.5%		
Operating Income	(0.4)	(1.2)	-66.7%	7.5	-105.5%	(2.2)	-81.7%		
Depreciation & Amortization	11.1	11.2	-0.2%	10.8	2.9%	10.2	9.0%		
Stock Based Compensation	2.0	1.6	23.5%	2.1	-4.7%	1.3	46.0%		
Adjusted EBITDA	12.7	11.5	10.2%	20.4	-37.7%	9.3	36.2%	11.3	10-12
Margin	14.2%	13.3%		20.6%		12.8%			
Interest income	0.0	0.1	-71.4%	0.0	10.3%	0.0	-25.6%		
Interest expense	(0.1)	(0.2)	-45.5%	(1.4)	92.2%	(1.3)	-91.8%		
Other (expense) income, net	(0.0)	0.0	0.0%	0.2	117.1%	0.8	-104.3%		
Pretax Income	(0.5)	(1.3)	-60.6%	6.3	108.3%	(2.8)	-81.2%		
Income Tax Expense (benefit)	0.9	8.0	13.8%	8.0	15.5%	1.1	-14.5%		
Reported Net Income	(1.4)	(2.1)	-32.6%	5.5	125.9%	(3.8)	-62.6%		
Adjusted EPS	\$0.05	\$0.06	-17.8%	\$0.18	256.1%	\$0.00		\$0.04	

Source: Company reports, First Call, RBC Capital Markets

Exhibit 2: Summary of Estimate Changes

(\$ in millions, except per share amounts)

		4Q11E			2011E			2012E	
	Current	<u>Prior</u>	<u>Delta</u>	Current	<u>Prior</u>	<u>Delta</u>	Current	<u>Prior</u>	<u>Delta</u>
Technology revenue	63.5	57.3	10.9%	288.5	281.2	2.6%	338.7	321.4	5.4%
Marketing revenue	11.2	12.0	-6.7%	47.5	46.2	2.9%	54.0	54.0	0.0%
Net revenue	74.7	69.3	7.8%	336.0	327.4	2.6%	392.7	375.5	4.6%
Total Operating Expenses	52.7	49.8	-5.8%	201.7	199.7	-1.0%	220.8	213.0	-3.7%
Operating Income (Loss)	(12.4)	(11.6)	7.1%	(14.2)	(14.2)	0.0%	4.6	6.3	-27.5%
Adjusted EBITDA	2.4	1.6	53.8%	38.1	36.1	5.6%	53.6	52.6	1.8%
Margin	3.2%	2.2%		11.3%	11.0%		13.6%	14.0%	
Reported Net Income	(13.6)	(12.3)	10.4%	(20.4)	(19.9)	2.9%	67.2	69.5	-3.3%
Adj EPS	(\$0.15)	(\$0.12)	30.5%	(\$0.04)	\$0.01	-432.6%	\$0.21	\$0.30	-29.8%

Source: Company reports, RBC Capital Markets



Valuation

We use a blended approach on our 2012 estimates. Using an average of 15x EV/EBITDA, 3% FCF yield, and 3.5x EV/Revenue, we arrive at our \$22 target.

Exhibit 3: Valuation Worksheet

(\$ in millions, except per share a	amounts)	
-------------------------------------	----------	--

Current Price \$12.87
Diluted Shares Outstanding 62.8
Current Market Cap 809
Less: Cash and Cash Equivalents 139.0
Less: Other Assets 0.0
Plus: Debt 0.0
Adjusted Enterprise Value 669.5

EV to EBITDA Adjusted EBITDA		2012E 53.6
Current EV/EBITDA Multiple		12.5x
	Target Multiple	15.0x
	Enterprise Value	803.7
	Plus: YE Cash	192.4
	Plus: Other Assets	0.0
	Less: YE Debt	0.0
	Less: Minority Interest	0.0
	Equity Market Capitalization	996.1
	FY End Projected Sharecount	53.9
Implie	d Stock Price on Forward EBITDA	\$18

FCF Yield		<u>2012E</u>
FCF per Share		\$0.54
Current FCF Yield		4.2%
	Target Yield	3.0%
Implied Stock P	rice on Forward FCF	\$18

EV to Revenue		<u>2012E</u>
Revenue		392.7
Current EV / Revenue Multiple		1.7x
	Target Multiple	3.5x
	Enterprise Value	1374.4
	Plus: YE Cash	192.4
	Plus: Other Assets	0.0
	Less: YE Debt	0.0
	Less: Minority Interest	0.0
	Equity Market Capitalization	1566.7
	FY End Projected Sharecount	53.9
Implied S	tock Price on Forward EBITDA	\$29

Average \$22

Source: RBC Capital Markets

Valuation

We value ACTV using a blended approach on our 2012 estimates using 15x EV/EBITDA, a 3% FCF yield and 3.5x revenue. We take an average of these three metrics to arrive at our \$22 price target. These multiples are in range of the rest of our coverage universe, and we believe they are justified given the high revenue visibility and rapid EBITDA growth.

Price Target Impediment

- 1) Margin expansion does not play out as expected.
- 2) Large contracts material to financial statements are lost during periodic re-bidding process.
- 3) Complications from M&A integration.

Company Description

Active Network provides event registration software and services to community, sport, business and outdoor organizations. In addition to registration processing, Active Network's technology platform provides organizations with various marketing, operating and analytics tools which help their clients' event management end-to-end by increasing event participation and reducing overall event costs.



Active Network -- Quarterly Earnings Analysis (\$ in millions, except per share amounts)

		2010	n A	i			201	16	i			201	2E	i	
FY Dec Technology revenue Marketing revenue Net revenue	Mar A 1QA 54.9 8.3 63.2	Jun A 2QA 71.2 10.5 81.7	Sep A 3QA 62.4 10.7 73.1	Dec A 4QA 49.2 12.4 61.6	2010A 237.7 41.9 279.6	Mar A 1QA 63.1 9.6 72.7	Jun A 2QA 85.6 13.5 99.0	Sep A 3QA 76.3 13.3 89.6	Dec E 4QE 63.5 11.2 74.7	2011E 288.5 47.5 336.0	Mar E 1QE 70.8 11.7 82.5	Jun E 2QE 102.1 13.9 116.0	Sep E 3QE 90.9 14.0 104.9	Dec E 4QE 74.8 14.4 89.3	2012E 338.7 54.0 392.7
Cost of Revenues															
Technology	27.0	32.3	29.3	26.4	115.0	33.0	38.7	38.2	33.2	143.1	35.6	44.2	43.8	37.6	161.2
Marketing	1.0	1.7	1.8	1.6	6.2	1.2	1.5	1.6	1.3	5.5	1.4	1.5	1.6	1.6	6.1
Total Cost of Revenues Gross Profit	28.0 35.2	34.0 47.6	31.1 42.0	28.1 33.5	121.2 158.4	34.1 38.6	40.1 58.9	39.8 49.8	34.4 40.3	148.5 187.5	37.0 45.6	45.7 70.3	45.4 59.4	39.2 50.1	167.3 225.4
GIOSS FIORE	33.2	47.0	42.0	33.3	130.4	30.0	30.9	43.0	40.3	107.5	45.0	70.3	39.4	30.1	223.4
Operating Expenses:															
Sales & Marketing	14.5	15.0	14.9	14.1	58.5	16.8	18.3	16.8	16.9	68.8	18.4	20.9	19.2	19.6	78.1
Research & Development General & Administrative	14.9	16.2 10.4	15.0 8.9	14.8	60.9 38.0	16.1 10.2	16.2	17.3	17.9 10.7	67.4 42.4	17.4 11.5	20.7 12.8	19.2	20.5	77.8
Amortization of Intangibles	9.8 4.0	4.1	4.0	8.8 4.0	38.0 16.1	3.7	11.1 3.7	10.4 3.7	3.9	15.0	11.5	12.8	12.1 1.4	12.6 2.3	48.9 6.8
Stock Based Compensation	1.8	1.4	1.3	0.8	5.3	0.7	2.1	2.0	3.2	8.0	0.8	2.4	2.3	3.8	9.2
Total Operating Expenses	45.1	47.1	44.2	42.5	178.9	47.4	51.4	50.2	52.7	201.7	50.0	58.0	54.1	58.7	220.8
Operating Income	(9.9)	0.6	(2.2)	(8.9)	(20.5)	(8.8)	7.5	(0.4)	(12.4)	(14.2)	(4.5)	12.3	5.3	(8.6)	4.6
Depreciation & Amortization	9.2	9.9	10.2	11.0	40.3	10.7	10.8	11.1	11.6	44.3	8.7	11.7	10.4	9.0	39.8
Stock Based Compensation	1.8	1.4	1.3	0.8	5.3	0.7	2.1	2.0	3.2	8.0	0.8	2.4	2.3	3.8	9.2
Adjusted EBITDA	1.1	11.8	9.3	2.9	25.1	2.6	20.4	12.7	2.4	38.1	5.0	26.4	18.0	4.2	53.6
Interest income Interest expense	0.0 (1.3)	0.0 (1.5)	0.0 (1.3)	0.0 (1.3)	0.2 (5.4)	0.0 (1.3)	0.0 (1.4)	0.0 (0.1)	0.0 (0.4)	0.1 (3.2)	0.0 0.0	0.0	0.0 0.0	0.1 0.0	0.1 0.0
Other (expense) income, net	(0.4)	(0.2)	0.8	0.3	0.5	(0.1)	0.2	(0.1)	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pretax Income	(11.6)	(1.1)	(2.8)	(9.9)	(25.3)	(10.2)	6.3	(0.5)	(12.8)	(17.2)	(4.4)	12.3	5.3	(8.5)	4.7
Income Tax Expense (benefit)	0.9	0.9	1.1	(0.8)	1.9	0.8	0.8	0.9	0.8	3.3	1.7	1.7	(67.6)	1.7	(62.5)
Reported Net Income	(12.4)	(1.9)	(3.8)	(9.1)	(27.3)	(10.9)	5.5	(1.4)	(13.6)	(20.4)	(6.1)	10.6	72.9	(10.2)	67.2
Diluted Earnings per Share															
Pro forma Earnings per Share						(\$0.15)	\$0.21	\$0.06	(\$0.15)	(\$0.04)	(\$0.07)	\$0.26	\$0.13	(\$0.11)	\$0.21
Adjusted Earnings per Share						(\$0.12)	\$0.18	\$0.05	(\$0.15)	(\$0.04)	(\$0.07)	\$0.26	\$0.13	(\$0.11)	\$0.21
Pro forma Shares Outstanding						57.4	57.4	62.8	53.5	57.8	53.6	53.7	53.8	53.9	53.8
Tio forma charge date and my						0	0	02.0	00.0	01.0	00.0	00.7	00.0	00.0	00.0
Margin Analysis															
Gross Profit Margin	55.7%	58.3%	57.5%	54.4%	56.6%	53.1%	59.4%	55.6%	53.9%	55.8%	55.2%	60.6%	56.7%	56.1%	57.4%
Sales & Marketing as % of Net Revenue Research & Development as % of Net Revenue	23.0% 23.6%	18.3% 19.8%	20.4% 20.6%	22.9% 23.9%	20.9% 21.8%	23.0% 22.1%	18.5% 16.3%	18.8% 19.3%	22.6% 23.9%	20.5% 20.1%	22.3% 21.1%	18.0% 17.8%	18.3% 18.3%	21.9% 22.9%	19.9% 19.8%
General & Administrative as % of Net Revenue	15.5%	12.8%	12.2%	14.3%	13.6%	14.0%	11.2%	11.6%	14.4%	12.6%	13.9%	11.1%	11.5%	14.1%	12.5%
Amortization as % of Net Revenue	6.4%	5.0%	5.5%	6.5%	5.8%	5.1%	3.8%	4.1%	5.3%	4.5%	2.3%	1.0%	1.3%	2.5%	1.7%
Total Operating Expenses as % of Net Revenue	71.3%	57.6%	60.5%	69.0%	64.0%	65.2%	51.9%	56.0%	70.6%	60.0%	60.6%	50.0%	51.6%	65.8%	56.2%
Operating Margin	-15.6%	0.7%	-3.1%	-14.5%	-7.3%	-12.2%	7.6%	-0.5%	-16.6%	-4.2%	-5.4%	10.6%	5.0%	-9.6%	1.2%
Adjusted EBITDA Margin	1.7%	14.5%	12.8%	4.6%	9.0%	3.5%	20.6%	14.2%	3.2%	11.3%	6.1%	22.8%	17.1%	4.7%	13.6%
Incremental EBITDA Margin	37.4%	7.4%	8.0%	47.4%	25.5%	15.7%	49.4%	20.4%	-3.6%	23.0%	24.9%	35.5%	34.5%	12.1%	27.4%
Effective Tax Rate Reported Net Income	-7.4% -19.6%	-78.5% -2.4%	-38.4% -5.2%	8.5% -14.8%	-7.6% -9.8%	-7.8% -15.0%	12.5% 5.6%	-174.3% -1.6%	-6.3% -18.2%	-19.2% -6.1%	-38.3% -7.4%	13.8% 9.2%	-1269.3% 69.5%	-19.9% -11.5%	-1333.1% 17.1%
Reported Net Income	13.070	2.470	0.270	14.070	3.070	10.070	0.070	1.070	10.270	0.170	7.470	3.270	03.070	11.070	17.170
Year Over Year Growth															
Technology	23.6%	10.9%	7.3%	12.6%	12.9%	14.9%	20.2%	22.3%	29.1%	21.4%	12.2%	19.4%	19.1%	17.9%	17.4%
Marketing Net Revenue	29.5% 24.3%	36.3% 13.6%	40.2% 11.1%	16.5% 13.3%	29.4% 15.1%	15.9% 15.0%	28.2% 21.2%	24.3% 22.6%	-10.0% 21.2%	13.4% 20.2%	22.3% 13.5%	3.1% 17.2%	5.0% 17.0%	29.0% 19.5%	13.6% 16.9%
Cost of Revenues	15.8%	12.7%	11.7%	13.2%	13.1%	21.8%	18.0%	28.1%	22.6%	22.5%	8.3%	13.8%	14.1%	13.8%	12.6%
Gross Profit	32.1%	14.2%	10.7%	13.5%	16.6%	9.6%	23.6%	18.6%	20.0%	18.4%	18.1%	19.4%	19.3%	24.4%	20.2%
Operating Income	-23.2%	-153.0%	-56.8%	-28.0%	-35.0%	-10.5%	1227.6%	-81.7%	39.0%	-30.8%	-49.6%	64.2%	-1385.1%	-30.8%	-132.1%
Adjusted EBITDA	-130.6%	6.5%	6.7%	-600.7%	59.5%	137.1%	72.3%	36.2%	-16.4%	51.6%	95.1%	29.6%	41.4%	73.8%	40.7%
Reported Net Income	-12.5%	-28.3%	-44.4%	-35.4%	-28.0%	-11.8%	-385.0%	-62.6%	49.5%	-25.0%	-43.9%	92.5%	-5192.6%	-24.6%	-428.7%
Pro Forma Diluted Earnings per Share Adjusted Earnings per Share	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	-52.7% -43.2%	22.0% 46.5%	119.6% 156.9%	-28.4% -28.4%	-689.0% -689.0%
Aujusted Earnings per Share	NΑ	NA	NA	NA	NA	NA	NA	NA	NA	NA	-43.2%	40.5%	130.9%	-∠8.4%	-009.0%
Other Metrics															
Peer Defined Free Cash Flow	29.7	(3.3)	(4.9)	(9.9)	11.7	31.6	20.0	(12.6)	(11.8)	27.1	(6.9)	23.8	14.8	(16.3)	15.4
Free Cash Flow per Share Company Defined Free Cash Flow	\$0.69 33.8	(\$0.07) 0.0	(\$0.11) (2.5)	(\$0.21) (9.5)	\$0.30 21.8	\$0.55 34.8	\$0.35 22.9	(\$0.20) (11.3)	(\$0.22) (29.1)	\$0.48 17.4	(\$0.13) (4.9)	\$0.44 27.3	\$0.27 18.2	(\$0.30) (11.4)	\$0.29 29.2
Free Cash Flow per Share	\$0.79	\$0.00	(\$0.05)	(\$0.21)	\$0.53	\$0.61	\$0.40	(\$0.18)	(\$0.54)	\$0.28	(\$0.09)	\$0.51	\$0.34	(\$0.21)	\$0.54
		¥	(+5)	(+)	ŢU	+	+	(+)	(+)	ŢO	(+-:-0)		·	(+/	

Source: Company reports and RBC Capital Markets



Required Disclosures

Conflicts Disclosures

The analyst(s) responsible for preparing this research report received compensation that is based upon various factors, including total revenues of the member companies of RBC Capital Markets and its affiliates, a portion of which are or have been generated by investment banking activities of the member companies of RBC Capital Markets and its affiliates.

A member company of RBC Capital Markets or one of its affiliates managed or co-managed a public offering of securities for Active Network, Inc. in the past 12 months.

A member company of RBC Capital Markets or one of its affiliates received compensation for investment banking services from Active Network, Inc. in the past 12 months.

RBC Capital Markets, LLC makes a market in the securities of Active Network, Inc. and may act as principal with regard to sales or purchases of this security.

RBC Capital Markets has provided Active Network, Inc. with investment banking services in the past 12 months.

The author is employed by RBC Capital Markets, LLC, a securities broker-dealer with principal offices located in New York, USA.

Explanation of RBC Capital Markets Equity Rating System

An analyst's 'sector' is the universe of companies for which the analyst provides research coverage. Accordingly, the rating assigned to a particular stock represents solely the analyst's view of how that stock will perform over the next 12 months relative to the analyst's sector average.

Ratings

Top Pick (TP): Represents best in Outperform category; analyst's best ideas; expected to significantly outperform the sector over 12 months; provides best risk-reward ratio; approximately 10% of analyst's recommendations.

Outperform (O): Expected to materially outperform sector average over 12 months.

Sector Perform (SP): Returns expected to be in line with sector average over 12 months.

Underperform (U): Returns expected to be materially below sector average over 12 months.

Risk Qualifiers (any of the following criteria may be present):

Average Risk (Avg): Volatility and risk expected to be comparable to sector; average revenue and earnings predictability; no significant cash flow/financing concerns over coming 12-24 months; fairly liquid.

Above Average Risk (AA): Volatility and risk expected to be above sector; below average revenue and earnings predictability; may not be suitable for a significant class of individual equity investors; may have negative cash flow; low market cap or float.

Speculative (Spec): Risk consistent with venture capital; low public float; potential balance sheet concerns; risk of being delisted.

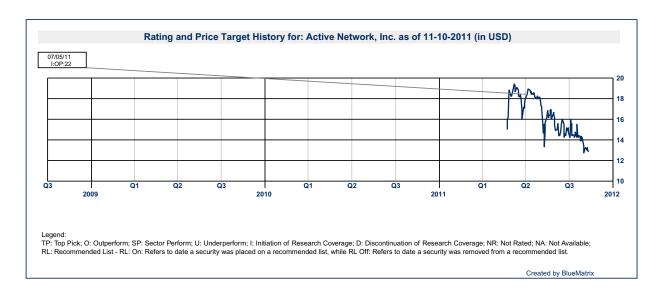
Distribution of Ratings

For the purpose of ratings distributions, regulatory rules require member firms to assign ratings to one of three rating categories - Buy, Hold/Neutral, or Sell - regardless of a firm's own rating categories. Although RBC Capital Markets' ratings of Top Pick/Outperform, Sector Perform and Underperform most closely correspond to Buy, Hold/Neutral and Sell, respectively, the meanings are not the same because our ratings are determined on a relative basis (as described above).

Distribution of Ratings RBC Capital Markets, Equity Research								
		Investment Ban Serv./Past 12 M						
Rating	Count	Percent	Count	Percent				
BUY[TP/O]	771	52.50	234	30.35				
HOLD[SP]	633	43.10	137	21.64				
SELL[U]	65	4.40	5	7.69				

RBC Capital Markets®

162



References to a Recommended List in the recommendation history chart may include one or more recommended lists or model portfolios maintained by a business unit of the Wealth Management Division of RBC Capital Markets, LLC. These Recommended Lists include the Prime Opportunity List (RL 3), a former list called the Private Client Prime Portfolio (RL 4), the Guided Portfolio: Prime Income (RL 6), the Guided Portfolio: Large Cap (RL 7), the Guided Portfolio: Dividend Growth (RL 8), and the Guided Portfolio: Midcap 111 (RL9). The abbreviation 'RL On' means the date a security was placed on a Recommended List. The abbreviation 'RL Off' means the date a security was removed from a Recommended List.

Conflicts Policy

RBC Capital Markets Policy for Managing Conflicts of Interest in Relation to Investment Research is available from us on request. To access our current policy, clients should refer to

https://www.rbccm.com/global/file-414164.pdf

or send a request to RBC CM Research Publishing, P.O. Box 50, 200 Bay Street, Royal Bank Plaza, 29th Floor, South Tower, Toronto, Ontario M5J 2W7. We reserve the right to amend or supplement this policy at any time.

Dissemination of Research and Short-Term Trade Ideas

RBC Capital Markets endeavors to make all reasonable efforts to provide research simultaneously to all eligible clients, having regard to local time zones in overseas jurisdictions. RBC Capital Markets' research is posted to our proprietary websites to ensure eligible clients receive coverage initiations and changes in ratings, targets and opinions in a timely manner. Additional distribution may be done by the sales personnel via email, fax or regular mail. Clients may also receive our research via third-party vendors. Please contact your investment advisor or institutional salesperson for more information regarding RBC Capital Markets' research. RBC Capital Markets also provides eligible clients with access to SPARC on its proprietary INSIGHT website. SPARC contains market color and commentary, and may also contain Short-Term Trade Ideas regarding the securities of subject companies discussed in this or other research reports. SPARC may be accessed via the following hyperlink: https://www.rbcinsight.com. A Short-Term Trade Idea reflects the research analyst's directional view regarding the price of the security of a subject company in the coming days or weeks, based on market and trading events. A Short-Term Trade Idea may differ from the price targets and/or recommendations in our published research reports reflecting the research analyst's views of the longer-term (one year) prospects of the subject company, as a result of the differing time horizons, methodologies and/or other factors. Thus, it is possible that the security of a subject company that is considered a long-term 'Sector Perform' or even an 'Underperform' might be a short-term buying opportunity as a result of temporary selling pressure in the market; conversely, the security of a subject company that is rated a long-term 'Outperform' could be considered susceptible to a short-term downward price correction. Short-Term Trade Ideas are not ratings, nor are they part of any ratings system, and RBC Capital Markets generally does not intend, nor undertakes any obligation, to maintain or update Short-Term Trade Ideas. Short-Term Trade Ideas discussed in SPARC may not be suitable for all investors and have not been tailored to individual investor circumstances and objectives, and investors should make their own independent decisions regarding any Short-Term Trade Ideas discussed therein.

Analyst Certification

All of the views expressed in this report accurately reflect the personal views of the responsible analyst(s) about any and all of the subject securities or issuers. No part of the compensation of the responsible analyst(s) named herein is, or will be, directly or indirectly, related to the specific recommendations or views expressed by the responsible analyst(s) in this report.



Disclaimer

RBC Capital Markets is the business name used by certain branches and subsidiaries of the Royal Bank of Canada, including RBC Dominion Securities Inc., RBC Capital Markets, LLC, RBC Europe Limited, RBC Capital Markets (Hong Kong) Limited, Royal Bank of Canada, Hong Kong Branch and Royal Bank of Canada, Sydney Branch. The information contained in this report has been compiled by RBC Capital Markets from sources believed to be reliable, but no representation or warranty, express or implied, is made by Royal Bank of Canada, RBC Capital Markets, its affiliates or any other person as to its accuracy, completeness or correctness. All opinions and estimates contained in this report constitute RBC Capital Markets' judgement as of the date of this report, are subject to change without notice and are provided in good faith but without legal responsibility. Nothing in this report constitutes legal, accounting or tax advice or individually tailored investment advice. This material is prepared for general circulation to clients and has been prepared without regard to the individual financial circumstances and objectives of persons who receive it. The investments or services contained in this report may not be suitable for you and it is recommended that you consult an independent investment advisor if you are in doubt about the suitability of such investments or services. This report is not an offer to sell or a solicitation of an offer to buy any securities. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. RBC Capital Markets research analyst compensation is based in part on the overall profitability of RBC Capital Markets, which includes profits attributable to investment banking revenues. Every province in Canada, state in the U.S., and most countries throughout the world have their own laws regulating the types of securities and other investment products which may be offered to their residents, as well as the process for doing so. As a result, the securities discussed in this report may not be eligible for sale in some jurisdictions. This report is not, and under no circumstances should be construed as, a solicitation to act as securities broker or dealer in any jurisdiction by any person or company that is not legally permitted to carry on the business of a securities broker or dealer in that jurisdiction. To the full extent permitted by law neither RBC Capital Markets nor any of its affiliates, nor any other person, accepts any liability whatsoever for any direct or consequential loss arising from any use of this report or the information contained herein. No matter contained in this document may be reproduced or copied by any means without the prior consent of RBC Capital Markets.

Additional information is available on request.

To U.S. Residents:

This publication has been approved by RBC Capital Markets, LLC (member FINRA, NYSE, SIPC), which is a U.S. registered broker-dealer and which accepts responsibility for this report and its dissemination in the United States. Any U.S. recipient of this report that is not a registered broker-dealer or a bank acting in a broker or dealer capacity and that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, should contact and place orders with RBC Capital Markets, LLC.

To Canadian Residents:

This publication has been approved by RBC Dominion Securities Inc.(member IIROC). Any Canadian recipient of this report that is not a Designated Institution in Ontario, an Accredited Investor in British Columbia or Alberta or a Sophisticated Purchaser in Quebec (or similar permitted purchaser in any other province) and that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report should contact and place orders with RBC Dominion Securities Inc., which, without in any way limiting the foregoing, accepts responsibility for this report and its dissemination in Canada.

To U.K. Residents:

This publication has been approved by RBC Europe Limited ('RBCEL') which is authorized and regulated by Financial Services Authority ('FSA'), in connection with its distribution in the United Kingdom. This material is not for general distribution in the United Kingdom to retail clients, as defined under the rules of the FSA. However, targeted distribution may be made to selected retail clients of RBC and its affiliates. RBCEL accepts responsibility for this report and its dissemination in the United Kingdom.

To Persons Receiving This Advice in Australia:

This material has been distributed in Australia by Royal Bank of Canada - Sydney Branch (ABN 86 076 940 880, AFSL No. 246521). This material has been prepared for general circulation and does not take into account the objectives, financial situation or needs of any recipient. Accordingly, any recipient should, before acting on this material, consider the appropriateness of this material having regard to their objectives, financial situation and needs. If this material relates to the acquisition or possible acquisition of a particular financial product, a recipient in Australia should obtain any relevant disclosure document prepared in respect of that product and consider that document before making any decision about whether to acquire the product.

To Hong Kong Residents:

This publication is distributed in Hong Kong by RBC Investment Services (Asia) Limited, RBC Investment Management (Asia) Limited and RBC Capital Markets (Hong Kong) Limited, licensed corporations under the Securities and Futures Ordinance or, by the Royal Bank of Canada, Hong Kong Branch, a registered institution under the Securities and Futures Ordinance. This material has been prepared for general circulation and does not take into account the objectives, financial situation, or needs of any recipient. Hong Kong persons wishing to obtain further information on any of the securities mentioned in this publication should contact RBC Investment Services (Asia) Limited, RBC Investment Management (Asia) Limited, RBC Capital Markets (Hong Kong) Limited or Royal Bank of Canada, Hong Kong Branch at 17/Floor, Cheung Kong Center, 2 Queen's Road Central, Hong Kong (telephone number is 2848-1388).

To Singapore Residents

This publication is distributed in Singapore by the Royal Bank of Canada, Singapore Branch and Royal Bank of Canada (Asia) Limited, registered entities granted offshore bank and merchant bank status by the Monetary Authority of Singapore, respectively. This material has been prepared for general circulation and does not take into account the objectives, financial situation, or needs of any recipient. You are advised to seek independent advice from a financial adviser before purchasing any product. If you do not obtain independent advice, you should consider whether the product is suitable for you. Past performance is not indicative of future performance. If you have any questions related to this publication, please contact the Royal Bank of Canada, Singapore Branch or Royal Bank of Canada (Asia) Limited.

To Japanese Residents:

Unless otherwise exempted by Japanese law, this publication is distributed in Japan by or through RBC Capital Markets (Japan) Ltd., a registered type one financial instruments firm and/or Royal Bank of Canada, Tokyo Branch, a licensed foreign bank.

® Registered trademark of Royal Bank of Canada. RBC Capital Markets is a trademark of Royal Bank of Canada. Used under license.

Copyright © RBC Capital Markets, LLC 2011 - Member SIPC Copyright © RBC Dominion Securities Inc. 2011 - Member CIPF Copyright © RBC Europe Limited 2011 Copyright © Royal Bank of Canada 2011 All rights reserved



8