Company Update

Rating: Buy Price Target: \$30.00



TANGOE, INC. (TNGO: \$19.30)

May 9, 2012

Market Data								
12-18 Month Price Target	\$30.00							
52-Week Range	\$21.74 - \$8.01							
ADTV - 90Day (000s)	602.4							
Market Cap (\$MM)	\$703.1							
Shares Out (MM)	33.2							
Public Market Float (MM)	28.1							
Dividend	NA							
TDC (d)								

	EPS (\$)										
FY DEC	2011	20	12	2013							
	Actual	Previous	Current	Previous	Current						
Q1	\$0.05A	\$0.08	\$0.09A	-	\$0.13E						
Q2	\$0.06A	_	\$0.09E	-	\$0.14E						
Q3	\$0.07A	_	\$0.11E	-	\$0.15E						
Q4	\$0.08A	\$0.14	\$0.13E	-	\$0.16E						
YEAR	\$0.26A	_	\$0.42E	-	\$0.58E						
		Valuatio	n Ratio								

	FY11	FY12	FY13						
P/E	74.2x	46.0x	33.3x						
EV/S	6.4x	4.7x	3.9x						
EV/EBITDA	53.2x	33.1x	23.1x						
	Financial Data								
	FY11	FY12	FY13						
_	4								

	FY11	FY12	FY13						
Revenue	\$104.9A	\$143.9E	\$171.3E						
Gross Margin	53.00%	54.78%	55.39%						
Operating Margin	3.90%A	3.21%E	6.20%E						
EBITDA	\$12.7A	\$20.4E	\$29.2E						
Balance Sheet									
	FY11	FY12	FY13						
Accounts Receivable	\$25.3A	_	_						
Current Assets	\$71.2A	-	_						
Current Assets PPE	\$71.2A \$3.3A	-	- -						
	1.1	- - -	- - -						
PPE	\$3.3A	- - -	- - -						

	FY11	FY12	FY13
Accounts Receivable	\$25.3A	-	_
Current Assets	\$71.2A	-	_
PPE	\$3.3A	-	_
Total Assets	\$140.9A	-	_
Accounts Payable	\$6.6A	-	_
Short Term Debt	\$7.9A	-	_
Current Liabilities	\$31.7A	-	_
Total Liabilities	\$44.3A	-	-
Long Term Debt	\$8.3A	_	_
Shareholders Equity	\$96.6A	_	_

Company Description

Tangoe, Inc. (TNGO) was founded in 2000 and is based in Orange, Connecticut. Tangoe is the leading global provider of SaaS-based telecommunications expense management solutions that help customers lower costs and increase controls over wireline and wireless telecom assets. Tangoe has run-rate revenues of \$137 million and more than 1,000 employees supporting roughly 800 customers worldwide.

Firing On All Cylinders; Can't Ask For More **Summary**

Tangoe, Inc. (TNGO) reported strong 1Q12 results after the close last night. Revenues of \$34.1 million solidly eclipsed our \$33.0 million forecast and guidance of \$32.7-\$33.2 million. Pro forma EPS came in at \$0.09, ahead of our \$0.08 forecast (which matched guidance). The standout metric was its 35 "new logo" wins (versus 22 in 4Q11 and a usual 20-30 range), which should bolster near-term growth as deployments ramp. With acquisitions integrating smoothly, sales headcounts continuing to climb, and its balance sheet bolstered by a recent follow-on, we remain convinced that Tangoe will garner a premium valuation like other SaaS leaders as its track record grows. As such, we reiterate our \$30.00 target price and Buy rating.

Key Points

- **Revenues scaling rapidly still.** Tangoe's revenues came in at \$34.1 million for 1Q12, well above our \$33.0 million forecast and a sequential ramp of 16.8% (or 52.8% versus 1Q11). While acquisition impacts skew the comparison, organic growth was estimated in the "mid- to low-20% level," a solid performance for a company whose growth remains well augmented by both strategic and complementary acquisitions. Adding 35 "new logo" wins (up from a usual 20-30 range and 22 in 4Q11) attests to solid organic sales execution.
- EPS climbing even as acquisitions integrate. Pro forma EPS set a new high at \$0.09, ahead of our \$0.08 forecast and the \$0.08 record set in 4Q11. With a goal to complete most customer migrations from two prior acquisitions by the end of 2Q12, duplicated costs remain an upside EPS driver ahead. Its retention rate remained "in the mid-90%" level to attest to its service value proposition and sector leadership. The gross margin improvement in the quarter (rising 159 basis points sequentially to 54.5%) was another key success area.
- Forecasts incrementally higher for revenues; EPS held back by share count. Given the upside in the quarter, our revenue forecast for 2012 increases to \$143.9 million versus \$142.3 million prior. Despite the EPS upside, the impact of its recent follow-on offering (adding 2.2 million shares) leaves our pro forma EPS forecast unchanged at \$0.42 (with 4Q12 lowered to \$0.13 from \$0.14 prior). In our view, our forecasts remain adequately conservative to expect moderate upside as a likely scenario as the rest of 2012 unfolds.
- Balance sheet bolstered by deal. Post 1Q12, Tangoe completed a follow-on offering that added over \$37 million to cash reserves, in part replenishing cash used in recent acquisitions. Added to the \$37.9 million it exited 1Q12 with, cash reserves total roughly \$75 million versus acquisition-related notes totaling \$18.1 million (or net cash per share of roughly \$1.36). As its unique SaaS "rollup" strategy has been highly successful, we see this liquidity build as a smart, proactive move to bolster its positioning for further acquisitions.
- Category killer has peer valuation but above-average potential. With solid profitability and organic growth, we believe Tangoe warrants a premium valuation due to its "category killer" status in the TEM space and its ability to augment organic growth with a well defined and proven accretive acquisition strategy. Now trading at a SaaS peer-matching 5.5x run-rate revenue multiple, our \$30.00 target assumes a 7.5x run-rate revenue multiple (the lower-end of the SaaS leader valuation range of roughly 7-11x) applied to our 4Q12 forecast.

Tangoe, Inc. May 9, 2012

(figures in millions except per share da	ta)			52-Week	Price % Change vs. 52-Week				Net Cash	Equity	Revenue Growth				Revenu	e Multiples							Earnings	s Multiple	es		
	Ticker	Rating	Stock Price	High	High	Shares	Market Cap.	Net Cash	Per Share	Valuation	Latest Q	LQA	EV/Rev	2009	EV/Rev	2010	EV/Rev	2011	EV/Rev	LQA	EV/EPS	2009	EV/EPS	2010	EV/EPS	2011	EV/EPS
Software-as-a-Service																											
Concur Technologies *	CNQR	BUY	\$61.92	\$62.60	-1.1%	56.4	\$3,494.3	\$251.0	\$4.45	\$3,243.3	28.08%	\$433.6	7.5	\$247.6	13.1	\$292.9	11.1	\$349.5	9.3	\$1.32	43.5	\$1.14	50.4	\$1.22	47.1	\$1.21	47.5
Constant Contact	CTCT	BUY	\$22.33	\$36.33	-38.5%	31.1	\$694.9	\$143.0	\$4.59	\$551.9	19.84%	\$239.8	2.3	\$129.1	4.3	\$174.2	3.2	\$214.4		\$0.36	49.3	\$0.12	NM	\$0.39	NM	\$0.71	25.0
Cornerstone OnDemand **	CSOD	NR	\$18.68	\$23.50	-20.5%	54.2	\$1,012.9	\$85.4	\$1.58	\$927.5	42.63%	\$80.1	11.6	\$29.3	31.6	\$46.6	19.9	\$75.5	12.3	(\$0.24)	NM	(\$1.24)	NM	(\$0.40)) NM	(\$0.32)	NM
DemandTec *	DMAN	NR	\$13.19	\$14.08	-6.3%	35.2	\$463.7	\$66.4	\$1.89	\$397.3	2.97%	\$89.3	4.5	\$79.1	5.0	\$82.4	4.8	\$92.7	4.3	\$0.04	NM	\$0.08	NM	\$0.00	NM	\$0.00	NM
inContact	SAAS	NR	\$5.80	\$6.00	-3.3%	46.4	\$269.3	\$6.5	\$0.14	\$262.8	20.34%	\$102.7	2.6	\$84.2	3.1	\$82.2	3.2	\$89.0	3.0	(\$0.12)	NM	\$0.12	47.2	\$0.15	37.7	(\$0.23)	NM
IntraLinks ***	IL	BUY	\$5.13	\$32.25	-84.1%	54.1	\$277.5	(\$8.4)	(\$0.15)	\$285.9	1.57%	\$211.7	1.4	\$140.7	2.0	\$184.3	1.6	\$213.5	1.3	\$0.44	12.0	\$0.08	NM	\$0.26	20.3	\$0.44	12.0
Kenexa *****	KNXA	NR	\$30.30	\$33.90	-10.6%	28.1	\$852.4	\$54.2	\$1.93	\$798.2	29.72%	\$311.2	2.6	\$157.7	5.1	\$199.4	4.0	\$291.1	2.7	\$0.76	37.3	\$0.62	45.8	\$0.62	45.8	\$0.84	33.8
LivePerson Inc.	LPSN	BUY	\$14.89	\$17.57	-15.3%	56.4	\$839.6	\$107.9	\$1.91	\$731.8	20.17%	\$146.0	5.0	\$87.5	8.4	\$109.9	6.7	\$133.1	5.5	\$0.36	36.0	\$0.29	44.7	\$0.31	41.9	\$0.36	36.0
LogMeIn ******	LOGM	BUY	\$32.19	\$49.50	-35.0%	25.4	\$816.2	\$192.4	\$7.59	\$623.7	20.89%	\$130.8	4.8	\$74.4	8.4	\$101.1	6.2	\$119.5	5.2	\$0.56	43.9	\$0.59	NM	\$0.86	28.6	\$0.69	35.7
NetSuite	N	HOLD	\$42.74	\$51.78	-17.5%	72.9	\$3,116.9	\$154.2	\$2.11	\$2,962.8	29.71%	\$277.3	10.7	\$166.5	17.8	\$193.1	15.3	\$236.3	12.5	\$0.24	NM	\$0.06	NM	\$0.13	NM	\$0.15	NM
RealPage ***	RP	BUY	\$18.10	\$32.83	-44.9%	73.2	\$1,324.4	\$4.6	\$0.06	\$1,319.8	29.31%	\$297.7	4.4	\$140.9	9.4	\$188.3	7.0	\$258.0	5.1	\$0.40	45.1	\$0.16	NM	\$0.20	NM	\$0.36	50.1
RightNow Technologies	RNOW	NR	\$43.00	\$43.38	-0.9%	36.0	\$1,550.1	\$80.9	\$2.24	\$1,469.1	32.72%	\$230.7	6.4	\$152.7	9.6	\$185.5	7.9	\$227.0	6.5	\$0.60	NM	\$0.40	NM	\$0.48	NM	\$0.58	NM
Salesforce.com ****	CRM	BUY	\$146.02	\$164.75	-11.4%	141.8	\$20,709.6	\$1,447.2	\$10.20	\$19,262.4	38.31%	\$2,527.7	7.6	\$1,305.6	14.8	\$1,657.1	11.6	\$2,266.5	8.5	\$1.36	NM	\$1.15	NM	\$1.22	NM	\$1.35	NM
SuccessFactors *****	SFSF	NR	\$39.99	\$40.44	-1.1%	89.9	\$3,593.1	\$248.1	\$2.76	\$3,345.1	66.32%	\$400.2	8.4	\$153.1	21.8	\$205.9	16.2	\$336.3	9.9	(\$0.08)	NM	(\$0.04)	NM	\$0.07	NM	\$0.09	NM
Taleo *****	TLEO	NR	\$45.98	\$46.00	0.0%	45.0	\$2,068.8	\$116.0	\$2.58	\$1,952.8	19.14%	\$339.1	5.8	\$198.4	9.8	\$241.8	8.1	\$324.5	6.0	\$1.04	41.7	\$0.77	56.4	\$0.78	55.6	\$1.06	40.9
Tangoe *****	TNGO	BUY	\$19.30	\$21.74	-11.2%	41.7	\$804.8	\$56.8	\$1.36	\$748.0	52.84%	\$136.6	5.5	\$55.9	13.4	\$68.5	10.9	\$104.9	7.1	\$0.36	NM	\$0.02	NM	\$0.13	NM	\$0.26	NM
Ultimate Software	ULTI	BUY	\$76.42	\$78.14	-2.2%	28.1	\$2,145.3	\$67.0	\$2.39	\$2,078.3	21.36%	\$313.1	6.6	\$196.6	10.6	\$227.8	9.1	\$269.2	7.7	\$0.88	NM	\$0.47	NM	\$0.75	NM	\$1.06	NM
Vocus	vocs	HOLD	\$16.11	\$33.70	-52.2%	21.7	\$348.9	(\$53.4)	(\$2.47)	\$402.4	30.76%	\$142.1	2.8	\$84.6	4.8	\$97.9	4.1	\$115.1	3.5	\$0.08	NM	\$0.65	28.6	\$0.71	26.2	\$0.82	22.7
Column Averages: 2011 Revenue Growth Rate Average					-19.8%						28.15%		5.6		10.7		8.4	31.74%	6.3		38.6		45.5		37.9		33.7
Other Notable Companies																											
Lionbridge Technologies Inc. Responsys	LIOX MKTG	BUY NR	\$2.92 \$12.00	\$3.73 \$18.19	-21.7% -34.0%	59.7 53.4	\$174.2 \$641.1	(\$4.8) \$94.8	(\$0.08) \$1.77	\$179.0 \$546.3	12.49% 21.43%	\$448.4 \$149.0	0.4 3.7	\$389.3 \$66.6	0.5 8.2	\$405.2 \$94.1	0.4 5.8	\$427.9 \$134.9	0.4 4.0	\$0.24 \$0.24	12.5 NM	\$0.20 -	15.0 NM	\$0.26	11.5 NM	\$0.21 \$0.21	14.3 NM

^{*}Concur uses Fiscal September-ended data & DemandTec uses February-ended data to approximate Calendar Years; Concur cash reserves are net of a convertible note and customer funding liabilities
**Cornerstone OnDemand LQA and forecasts reflect post-IPO sharecounts to normalize results; prior results are pre-IPO dilution; fully diluted to include "in the money" options
***IntraLinks & RealPage use shares est d post IPO for all periods to "normalize" comparisons; impacts of recent follow-ons included; 2010 appreciation based upon IPO pricing mid-year
***Salesforce.com uses Fiscal January-ended data to approximate Calendar Years; pre-tax EPS pre-F2010
****SuccessFactors, Kenexa, Taleo & Tangoe growth rates meaningfully skewed by acquisition impacts; TNGO cash & estimates reflect recent follow-on offering impacts

Note: EPS figures are pro forma (excluding non-cash items such as stock-based compensation and acquisition-related amortization); EPS multiples considered non-meaningful (NM) if negative or materially greater than 60x

Stock prices as of the close of trading on May 8, 2012

Source: Wunderlich Securities, FactSet Consensus & Company Reports

^{******} LogMeIn latest quarter growth rate excludes impact of former partnership which ended in Q4:10

Tangoe, Inc. May 9, 2012

TANGOE - Earnings Model Analyst: Richard K. Baldry, CFA - 410-369-2633

(000le such alles are detail	2008 TOTAL	2009	1Q10	2Q10	3Q10 SEP	4Q10	2010	1Q11	2Q11	3Q11 SEP	4Q11	2011	1Q12	2Q12E	3Q12E	4Q12E DEC	2012E	1Q13E	2Q13E	3Q13E SEP	4Q13E	2013E
(000's excluding per share data)		TOTAL	MAR	JUN		DEC	TOTAL	MAR	JUN		DEC	TOTAL	MAR	JUN	SEP		TOTAL	MAR	JUN		DEC	TOTAL
Recurring Revenues: Technology & Services Strategic Consulting & Other	27,839 9,687	46,005 9.912	13,260 2,695	13,891 2,814	14,570 2,568	15,982 2.694	57,703 10,771	19,927 2,414	23,510 2,537	24,456 2.856	25,778 3,463	93,671 11,270	30,756 3,391	31,739 3.552	32,404 3,856	34,156 4.069	129,055 14,867	36,138 3,984	38,086 4,085	38,885 4.434	40,987 4,679	154,097 17,182
TOTAL REVENUES	\$37,526	\$55,917	\$15,955	\$16,705	\$17,138	\$18,676	\$68,474	\$22,341	\$26,047	\$27,312	\$29,241	\$104,941	\$34,147	\$35,290	\$36,260	\$38,225	\$143,922	\$40,123	\$42,171	\$43,319	\$45,666	\$171,279
Sequential Revenue Increase (avg. in annual)	\$1,231	\$797	\$876	\$750	\$433	\$1,538	\$899	\$3,665	\$3,706	\$1,265	\$1,929	\$2,641	\$4,906	\$1,143	\$970	\$1,965	\$2,246	\$1,898	\$2,048	\$1,148	\$2,347	\$1,860
Total Cost of Revenues	17,712	24,783	7,052	7,286	7,524	8,039	29,901	10,180	12,480	12,890	13,759	49,309	15,524	16,234	16,317	17,010	65,085	18,055	18,871	19,277	20,207	76,411
GROSS MARGIN	\$19,814	\$31,134	\$8,903	\$9,419	\$9,614	\$10,637	\$38,573	\$12,161	\$13,567	\$14,422	\$15,482	\$55,632	\$18,623	\$19,057	\$19,943	\$21,215	\$78,837	\$22,067	\$23,299	\$24,042	\$25,459	\$94,868
Research & Development	5.808	7,981	2.240	2,275	2,294	2,364	9,173	2.821	2.791	2.977	3,095	11,684	3.596	4,235	4,261	4,396	16.487	4.614	4.850	4,982	5,252	19,697
Selling & Marketing	7,683	9.577	2.723	2,949	2.935	3,249	11.856	3,524	3.755	3,906	4,262	15,447	5.178	5.823	5,892	6,020	22,914	6,520	6.747	6,931	7,307	27.505
General & Administrative	7,439	9,218	2,492	2,567	2,570	3,049	10,678	3,264	3,927	4,217	4,435	15,843	5,786	6,176	6,164	6,307	24,433	6,520	6,747	6,931	7,307	27,505
Depreciation (est'd quarterly 2008-2009)	942	1,221	258	270	276	287	1.091	299	356	339	370	1.364	497	522	547	572	2,138	597	622	647	672	2,538
Amortization (est'd quarterly 2008-2009)	1.767	2,316	614	609	583	632	2,438	709	767	910	801	3,187	1,378	1,750	1,750	1,750	6,628	1,750	1,750	1,750	1,750	7,000
Stock-Based Compensation (embedded above)	1,928	749	209	450	509	760	1.928	835	932	897	1.316	3.980	1,624	1,675	1.750	2,000	7.049	2,000	2.250	2.250	2.500	9.000
Total Operating Expenses	\$25,567	\$31,062	\$8,536	\$9,120	\$9,167	\$10,341	\$37,164	\$11,452	\$12,528	\$13,246	\$14,279	\$51,505	\$18,059	\$18,506	\$18,614	\$19,045	\$74,224	\$20,001	\$20,716	\$21,241	\$22,287	\$84,245
OPERATING PROFIT	(\$5,753)	\$72	\$367	\$299	\$447	\$296	\$1,409	\$709	\$1,039	\$1,176	\$1,203	\$4,127	\$564	\$551	\$1,329	\$2,169	\$4,614	\$2,066	\$2,583	\$2,801	\$3,172	\$10,623
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Adjusted EBIDTA	(\$2,058)	\$3,137	\$1,448	\$1,628	\$1,815	\$1,975	\$6,866	\$2,552	\$3,094	\$3,322	\$3,690	\$12,658	\$4,071	\$4,498	\$5,376	\$6,491	\$20,437	\$6,413	\$7,205	\$7,448	\$8,094	\$29,161
Interest & Other Income (Net)	(1,183)	(2,362)	(532)	(531)	(523)	(400)	(1,986)	(655)	(774)	(1,394)	(160)	(2,983)	(218)	(218)	(218)	(218)	(872)	0	0	0	0	0
PRE-TAX NET INCOME	(\$6,936)	(\$2,290)	(\$165)	(\$232)	(\$76)	(\$104)	(\$577)	\$54	\$265	(\$218)	\$1,043	\$1,144	\$346	\$333	\$1,111	\$1,951	\$3,742	\$2,066	\$2,583	\$2,801	\$3,172	\$10,623
Provision For Income Taxes	23	264	64	49	68	113	294	126	180	88	140	534	154	200	200	250	804	300	400	400	500	1,600
NET INCOME	(\$6,959)	(\$2,554)	(\$229)	(\$281)	(\$144)	(\$217)	(\$871)	(\$72)	\$85	(\$306)	\$903	\$610	\$192	\$133	\$911	\$1,701	\$2,938	\$1,766	\$2,183	\$2,401	\$2,672	\$9,023
Items: Warrants; Debt Fee (Q2:11); Restructuring (Q3:11)			647	(45)	(42)	323	883	540	2,420	1,864	0	4,824										
"ALL-IN" GAAP NET INOME		, [(\$876)	(\$236)	(\$102)	(\$540)	(\$1,754)	(\$612)	(\$2,335)	(\$2,170)	\$903	(\$6,384)										
Adjusted Net Income (Excluding Non-Cash Items)	(\$3,264)	\$511	\$594	\$778	\$948	\$1,175	\$3,495	\$1,472	\$1,784	\$2,523	\$3,020	\$8,799	\$3,385	\$3,558	\$4,411	\$5,451	\$16,806	\$5,516	\$6,183	\$6,401	\$6,922	\$25,023
Earnings Analysis																						
Fully Diluted Shares Outstanding	22,000	25,000	28,416	28,631	28,600	28,600	28,562	28,458	29,867	35,124	38,493	32,986	39,431	41.700	41,950	42,200	41,320	42.450	42,700	42.950	43,200	42,825
Adjusted EPS (Excluding Non-Cash Items)	(\$0.15)	\$0.02	\$0.02	\$0.03	\$0.03	\$0.04	\$0.12	\$0.05	\$0.06	\$0.07	\$0.08	\$0.26	\$0.09	\$0.09	\$0.11	\$0.13	\$0.42	\$0.13	\$0.14	\$0.15	\$0.16	\$0.58
GAAP Diluted EPS	(\$0.32)	(\$0.10)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.04)	(\$0.02)	(\$0.08)	(\$0.10)	\$0.02	(\$0.18)	\$0.00	\$0.00	\$0.02	\$0.04	\$0.06	\$0.04	\$0.05	\$0.06	\$0.06	\$0.21
Margin Analysis																						
Blended Gross Margin	52.80%	55.68%	55.80%	56.38%	56.10%	56.96%	56.33%	54.43%						54.00%	55.00%	55.50%	54.78%	55.00%			55.75%	55.39%
Operating Margin	-15.33%										52 05%	53 01%								55 50%		
			2 30%	1 70%	2 61%				52.09%	52.80%	52.95%	53.01%	54.54%						55.25%	55.50%		6.20%
Adjusted Operating Margin		0.13%	2.30%	1.79%	2.61%	1.58%	2.06%	3.17%	3.99%	4.31%	4.11%	3.93%	1.65%	1.56%	3.67%	5.68%	3.21%	5.15%	6.13%	6.47%	6.95%	6.20%
Adjusted Operating Margin	-10.39%	10.08%	13.37%	14.42%	16.01%	1.58% 15.87%	2.06% 14.97%	3.17% 18.53%	3.99% 20.18%	4.31% 20.68%	4.11% 21.44%	3.93% 20.30%	1.65% 19.15%	1.56% 20.87%	3.67% 24.21%	5.68% 27.90%	3.21% 23.20%	5.15% 26.36%	6.13% 28.25%	6.47% 28.29%	6.95% 29.15%	28.06%
Net Margin	-10.39% -18.54%	10.08% -4.57%	13.37% -1.44%	14.42% -1.68%	16.01% -0.84%	1.58% 15.87% -1.16%	2.06% 14.97% -1.27%	3.17% 18.53% -0.32%	3.99% 20.18% 0.33%	4.31% 20.68% -1.12%	4.11% 21.44% 3.09%	3.93% 20.30% 0.58%	1.65% 19.15% 0.56%	1.56% 20.87% 0.38%	3.67% 24.21% 2.51%	5.68% 27.90% 4.45%	3.21% 23.20% 2.04%	5.15% 26.36% 4.40%	6.13% 28.25% 5.18%	6.47% 28.29% 5.54%	6.95% 29.15% 5.85%	28.06% 5.27%
Net Margin Adjusted Net Margin	-10.39%	10.08%	13.37%	14.42%	16.01%	1.58% 15.87%	2.06% 14.97%	3.17% 18.53%	3.99% 20.18%	4.31% 20.68%	4.11% 21.44%	3.93% 20.30%	1.65% 19.15%	1.56% 20.87%	3.67% 24.21%	5.68% 27.90%	3.21% 23.20%	5.15% 26.36%	6.13% 28.25%	6.47% 28.29%	6.95% 29.15%	28.06%
Net Margin Adjusted Net Margin Expense Analysis	-10.39% -18.54% -8.70%	10.08% -4.57% 0.91%	13.37% -1.44% 3.72%	14.42% -1.68% 4.66%	16.01% -0.84% 5.53%	1.58% 15.87% -1.16% 6.29%	2.06% 14.97% -1.27% 5.10%	3.17% 18.53% -0.32% 6.59%	3.99% 20.18% 0.33% 6.85%	4.31% 20.68% -1.12% 9.24%	4.11% 21.44% 3.09% 10.33%	3.93% 20.30% 0.58% 8.38%	1.65% 19.15% 0.56% 9.91%	1.56% 20.87% 0.38% 10.08%	3.67% 24.21% 2.51% 12.16%	5.68% 27.90% 4.45% 14.26%	3.21% 23.20% 2.04% 11.68%	5.15% 26.36% 4.40% 13.75%	6.13% 28.25% 5.18% 14.66%	6.47% 28.29% 5.54% 14.78%	6.95% 29.15% 5.85% 15.16%	28.06% 5.27% 14.61%
Net Margin Adjusted Net Margin Expense Analysis Research & Development	-10.39% -18.54% -8.70%	10.08% -4.57% 0.91% 14.27%	13.37% -1.44% 3.72%	14.42% -1.68% 4.66% 13.62%	16.01% -0.84% 5.53% 13.39%	1.58% 15.87% -1.16% 6.29%	2.06% 14.97% -1.27% 5.10%	3.17% 18.53% -0.32% 6.59%	3.99% 20.18% 0.33% 6.85%	4.31% 20.68% -1.12% 9.24%	4.11% 21.44% 3.09% 10.33%	3.93% 20.30% 0.58% 8.38%	1.65% 19.15% 0.56% 9.91%	1.56% 20.87% 0.38% 10.08%	3.67% 24.21% 2.51% 12.16%	5.68% 27.90% 4.45% 14.26%	3.21% 23.20% 2.04% 11.68%	5.15% 26.36% 4.40% 13.75%	6.13% 28.25% 5.18% 14.66%	6.47% 28.29% 5.54% 14.78%	6.95% 29.15% 5.85% 15.16%	28.06% 5.27% 14.61%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing	-10.39% -18.54% -8.70% 15.48% 20.47%	10.08% -4.57% 0.91% 14.27% 17.13%	13.37% -1.44% 3.72% 14.04% 17.07%	14.42% -1.68% 4.66% 13.62% 17.65%	16.01% -0.84% 5.53% 13.39% 17.13%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00%	28.06% 5.27% 14.61% 11.50% 16.06%
Net Margin Addused Net Margin Expense Analysis Research & Dewolopment Selling & Marketing General & Administrative	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49%	13.37% -1.44% 3.72%	14.42% -1.68% 4.66% 13.62%	16.01% -0.84% 5.53% 13.39%	1.58% 15.87% -1.16% 6.29%	2.06% 14.97% -1.27% 5.10%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00%	28.06% 5.27% 14.61% 11.50% 16.06% 16.06%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing General & Administrative Tax Rate (Cash)	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 5.16%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 5.88%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74%	28.06% 5.27% 14.61% 11.50% 16.06% 16.06% 6.01%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing General & Administrative Tax Rate (Cash) Tax Rate (CAAP)	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49%	13.37% -1.44% 3.72% 14.04% 17.07%	14.42% -1.68% 4.66% 13.62% 17.65%	16.01% -0.84% 5.53% 13.39% 17.13%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00%	28.06% 5.27% 14.61% 11.50% 16.06% 16.06%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing General & Administrative Tax Rate (Cash) Tax Rate (CASH) Tax Rate (GAAP)	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00% -0.33%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00% -11.53%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62% - -38.79%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37% - -21.12%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00% - -89.47%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33% - -108.65%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59% - -50.95%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88% 233.33%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16% 67.92%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37% -40.37%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37% 13.42%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72% 46.68%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35% 44.51%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32% NM	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34% NM	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38% NM	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57% 21.49%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 16.25% 5.16% NM	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08% NM	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 16.00% 5.88% NM	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74% NM	28.06% 5.27% 14.61% 11.50% 16.06% 16.06% 6.01% 15.06%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Markeling General & Administrative Tax Rate (Cash) Tax Rate (CAAP)	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 5.16%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 5.88%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74%	28.06% 5.27% 14.61% 11.50% 16.06% 16.06% 6.01%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing General & Administrative Tax Rate (CSA) Tax Rate (CSA) Growth Analysis Recurring Revenue Growth - Sequential	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00% -0.33% 96.41%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00% -11.53%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62% - -38.79% 20.51% 7.21%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37% - -21.12% 25.37% 4.76%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00% - -89.47% 26.10% 4.89%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33% - -108.65% 29.22% 9.69%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59% -50.95%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88% 233.33% 50.28% 24.68%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16% 67.92%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37% -40.37% 67.85% 4.02%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37% 13.42% 61.29% 5.41%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72% 46.68%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35% 44.51% 54.34% 19.31%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32% NM	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34% NM 32.50% 2.10%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38% NM 32.50% 5.41%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57% 21.49%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 16.25% 5.16% NM 17.50%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08% NM 20.00% 5.39%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 16.00% 5.88% NM 20.00%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74% NM 20.00% 5.41%	28.06% 5.27% 14.61% 11.50% 16.06% 6.01% 15.06% 19.40%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing General & Administrative Tar. Rate (Cash) Tar. Rate (Cash) Tar. Rate (Cash) Recurring Revenue Growth - Yr/Yr Recurring Revenue Growth - Sequential Consulting & Other Revenue Growth - Yr/Yr	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00% -0.33%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00% -11.53%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62% -38.79% 20.51% 7.21% 29.07%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37% -21.12% 25.37% 4.76%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00% 89.47% 26.10% 4.89% -1.31%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33% -108.65% 29.22% 9.69%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59% - -50.95%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88% 233.33% 50.28% 24.68% -10.43%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16% 67.92% 69.25% 17.98%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37% -40.37% 67.85% 4.02%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37% 13.42% 61.29% 5.41% 28.54%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72% 46.68%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35% 44.51% 54.34% 19.31% 40.47%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32% NM 35.00% 3.19%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34% NM 32.50% 2.10% 35.00%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38% NM 32.50% 5.41%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57% 21.49%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 5.16% NM 17.50% 5.80%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08% NM 20.00% 5.39%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 5.88% NM 20.00% 2.10%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74% NM 20.00% 5.41%	28.06% 5.27% 14.61% 11.50% 16.06% 16.06% 6.01% 15.06%
Net Margin Adjusted Net Margin Expense Analysis Research & Development Selling & Marketing General & Administrative Tar. Rate (CaSh) Tar. Rate (CaSh) Tar. Rate (CaAP) Growth Analysis Recurring Revenue Growth - Yr/Yr Recurring Revenue Growth - Sequential	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00% -0.33% 96.41%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00% -11.53%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62% - -38.79% 20.51% 7.21%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37% - -21.12% 25.37% 4.76%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00% - -89.47% 26.10% 4.89%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33% - -108.65% 29.22% 9.69%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59% -50.95%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88% 233.33% 50.28% 24.68%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16% 67.92%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37% -40.37% 67.85% 4.02%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37% 13.42% 61.29% 5.41%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72% 46.68%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35% 44.51% 54.34% 19.31%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32% NM	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34% NM 32.50% 2.10%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38% NM 32.50% 5.41%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57% 21.49%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 16.25% 5.16% NM 17.50%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08% NM 20.00% 5.39%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 16.00% 5.88% NM 20.00%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74% NM 20.00% 5.41%	28.06% 5.27% 14.61% 11.50% 16.06% 6.01% 15.06% 19.40%
Net Margin Adjusted Net Margin Expense Analysis Research & Devolopment Selling & Marketing General & Administrative Tan Rate (Cash) Tan Rate (GANP) Tan Rate (GANP) Growth Analysis Recurring Revenue Growth - Yr/Yr Recurring Revenue Growth - Sequential Consulting & Other Revenue Growth - Yr/Yr	-10.39% -18.54% -8.70% 15.48% 20.47% 19.82% 0.00% -0.33% 96.41%	10.08% -4.57% 0.91% 14.27% 17.13% 16.49% 0.00% -11.53%	13.37% -1.44% 3.72% 14.04% 17.07% 15.62% -38.79% 20.51% 7.21% 29.07%	14.42% -1.68% 4.66% 13.62% 17.65% 15.37% -21.12% 25.37% 4.76%	16.01% -0.84% 5.53% 13.39% 17.13% 15.00% 89.47% 26.10% 4.89% -1.31%	1.58% 15.87% -1.16% 6.29% 12.66% 17.40% 16.33% -108.65% 29.22% 9.69%	2.06% 14.97% -1.27% 5.10% 13.40% 17.31% 15.59% -50.95%	3.17% 18.53% -0.32% 6.59% 12.63% 15.77% 14.61% 7.88% 233.33% 50.28% 24.68% -10.43%	3.99% 20.18% 0.33% 6.85% 10.72% 14.42% 15.08% 9.16% 67.92% 69.25% 17.98%	4.31% 20.68% -1.12% 9.24% 10.90% 14.30% 15.44% 3.37% -40.37% 67.85% 4.02%	4.11% 21.44% 3.09% 10.33% 10.58% 14.58% 15.17% 3.37% 13.42% 61.29% 5.41% 28.54%	3.93% 20.30% 0.58% 8.38% 11.13% 14.72% 15.10% 5.72% 46.68%	1.65% 19.15% 0.56% 9.91% 10.53% 15.16% 16.94% 4.35% 44.51% 54.34% 19.31% 40.47%	1.56% 20.87% 0.38% 10.08% 12.00% 16.50% 17.50% 5.32% NM 35.00% 3.19%	3.67% 24.21% 2.51% 12.16% 11.75% 16.25% 17.00% 4.34% NM 32.50% 2.10% 35.00%	5.68% 27.90% 4.45% 14.26% 11.50% 15.75% 16.50% 4.38% NM 32.50% 5.41%	3.21% 23.20% 2.04% 11.68% 11.46% 15.92% 16.98% 4.57% 21.49%	5.15% 26.36% 4.40% 13.75% 11.50% 16.25% 5.16% NM 17.50% 5.80%	6.13% 28.25% 5.18% 14.66% 11.50% 16.00% 6.08% NM 20.00% 5.39%	6.47% 28.29% 5.54% 14.78% 11.50% 16.00% 5.88% NM 20.00% 2.10%	6.95% 29.15% 5.85% 15.16% 11.50% 16.00% 6.74% NM 20.00% 5.41%	28.06% 5.27% 14.61% 11.50% 16.06% 6.01% 15.06% 19.40%

Source: company information & Wunderlich Securities, Inc.

Tangoe, Inc. May 9, 2012

TANGOE - Balance Sheet Metrics

Analyst: Richard K. Baldry, CFA - 410-369-2633

	4Q08	4Q09	4Q10	1Q11	2Q11	3Q11	4Q11	1Q12
(000's)	DEC	DEC	DEC	MAR	JUN	SEP	DEC	MAR
Follow-on Proceeds (est'd; closed post 1Q12)								\$37,000
ASSETS								
Cash & Equivalents (incl/L-T Investments)	6,554	6,163	5,913	6,876	8,981	52,521	43,407	37,866
Accounts Receivable (net)	11,384	11,517	14,295	20,191	21,007	24,405	25,311	26,551
Prepaid Expenses & Other	869	1,585	1,395	1,488	1,418	2,098	2,503	3,428
TOTAL CURRENT ASSETS	\$18,807	\$19,265	\$21,603	\$28,555	\$31,406	\$79,024	\$71,221	\$67,845
Property & Equipment (net)	1,625	1,761	1,795	2,508	2,610	2,578	3,334	3,496
Intangibles (net)	16,422	16,843	15,785	20,869	21,683	20,910	28,800	34,543
Goodwill	16,191	17,636	17,636	22,893	22,893	22,893	36,266	44,728
Other Assets	1,828	573	1,925	2,727	3,744	1,070	1,241	1,906
TOTAL LONG-TERM ASSETS	\$36,066	\$36,813	\$37,141	\$48,997	\$50,930	\$47,451	\$69,641	\$84,673
TOTAL ASSETS	\$54,874	\$56,078	\$58,744	\$77,552	\$82,336	\$126,475	\$140,862	\$152,518
LIABILITIES & EQUITY								
Accounts Payable	2,745	2,858	3,303	4,434	5,894	6,439	6,605	8,555
Accrued Expenses & Other	3,002	2,485	3,364	4,434	5,367	5,727	8,140	8,671
Notes Payable	6,609	9,398	6,345	9,430	3,30 <i>1</i> 8,492	3,558	7,904	13,187
Deferred Revenues	6,228	6,881	8,304	8,973	10,555	9,252	9,051	9,457
TOTAL CURRENT LIABILITIES	\$18,584	\$21,622	\$21,316	\$27,381	\$30,308	\$24,976	\$31,700	\$39,870
TOTAL CONNENT LIABILITIES	Ψ10,304	ΨΖ1,0ΖΖ	Ψ21,510	Ψ21,501	ψ50,500	Ψ24,970	ψ51,700	ψ59,070
Deferred Rent & Other	1,498	2,480	3,099	3,642	771	1,629	1,659	3,601
Deferred Revenue (net current)	712	959	1,788	2,036	2,036	2,483	2,624	2,274
Notes Payable (net current)	15,408	11,933	11,776	22,028	21,170	3,762	8,290	4,918
Warrants for Redeemable Preferred	328	512	1,345	2,598	4,072	0	0	0
TOTAL LIABILITIES	\$36,530	\$37,506	\$39,324	\$57,685	\$58,357	\$32,850	\$44,273	\$50,663
Preferred Stock	\$53,826	\$57,604	\$61,441	\$62,391	\$63,336			
Common Stock (& Series A pre-IPO)	368	368	368	368	366	3	3	3
Additional Paid-In Capital	4,361	5,097	7,316	8,376	9,352	140,838	142,905	147,909
Other	(439)	1,608	1,930	1,925	6,453	10,482	10,476	10,546
Accumulated Deficit	(39,772)	(46,104)	(51,635)	(53,193)	(55,528)	(57,698)	(56,795)	(56,603)
TOTAL STOCKHOLDERS EQUITY	(\$35,482)	(\$39,031)	(\$42,021)	(\$42,524)	(\$39,357)	\$93,625	\$96,589	\$101,855
TOTAL LIABILITIES & EQUITY	\$54,874	\$56,078	\$58,744	\$77,552	\$82,336	\$126,475	\$140,862	\$152,518

Source: company information & Wunderlich Securities, Inc.

Tangoe, Inc.
May 9, 2012

Disclosures:

Analyst Certification

I Richard K. Baldry, CFA, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject companies and their underlying securities. I further certify that I have not and will not be receiving direct or indirect compensation in exchange for expressing the specific recommendation(s) in this research report.

Valuation/Risks

- Valuation: TNGO shares trade at 5.5x 1Q12 run-rate revenues, matching the SaaS average. We see upside to its multiple over the year as investors recognize its superior growth opportunity and use a 7.5x multiple a year out as the basis for our \$30.00 target.
- Risks: Acquisition integration, acceptance of the SaaS model, and a limited public track record are key investment risks.

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Company-specific disclosures:

Wunderlich Securities makes a market in the shares of Tangoe, Inc., Constant Contact, Inc., IntraLinks Holdings, Inc. and LivePerson, Inc..

Public Companies Mentioned in this Report:

Concur Technologies, Inc. (CNQR - 61.92 - Buy)
Salesforce.com, Inc. (CRM - 146.02 - Buy)
Constant Contact, Inc. (CTCT - 22.33 - Buy)
IntraLinks Holdings, Inc. (IL - 5.13 - Buy)
Lionbridge Technologies, Inc. (LIOX - 2.92 - Buy)
LogMeIn, Inc. (LOGM - 32.19 - Buy)
LivePerson, Inc. (LPSN - 14.89 - Buy)
NetSuite Inc. (N - 42.74 - Hold)
RealPage, Inc. (RP - 18.10 - Buy)
The Ultimate Software Group, Inc. (ULTI - 76.42 - Buy)

General disclosures:

Prices are as of the close of 05/08/12.

Vocus, Inc. (VOCS - 16.11 - Hold)

Ratings Distribution (in Percentages) & Investment Banking Disclosure Chart Information

Ratings Distribution & Investment Banking Disclosure									
Rating	Count	Ratings Distribution*	Count	Investment Banking**					
Buy -rated	131	61.79	23	17.56					
Hold -rated	72	33.96	6	8.33					
Sell -rated	9	4.25	1	11.11					

^{*} Percentage of all Wunderlich-covered stocks assigned an equivalent Buy, Hold, or Sell rating.

Rating System:

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Hold - a security which at the time the rating is instituted or reiterated indicates an expectation of a total return of plus or minus 5% over the next 12-18 months.

Sell – a security which at the time the rating is instituted or reiterated indicates an expectation of a negative total return of greater than 10% over the next 12-18 months.

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Tangoe, Inc. May 9, 2012



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